

Clark University

BULLETIN OF SUMMER SCHOOL



JULY 5—AUGUST 11
WORCESTER, MASSACHUSETTS

TO THE CLARK UNIVERSITY SUMMER SCHOOL:

I wish to enroll as a student in the Summer School for 1939, and enclose with this the Registration fee of two dollars.

Name

Address

Date

Occupation during the past academic year

.....

.....

Graduate of what college, normal school, or other educational institution, with date of graduation?

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.....

TENTATIVE LIST OF SUMMER SCHOOL COURSES WHICH APPLICANT DESIRES TO ENTER

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(Describe by Subject and Number, i.e., Geography 101)

Have you been accepted as a candidate for a degree?

At what institution?.....What degree?

Have you ever attended the Clark University Summer School?

If so, what was year of last attendance?

CALENDAR

- | | | |
|--------|-------|--|
| July | 5 | Wednesday, 9 A.M.-12 M. Registration.
8-10 P.M. Faculty reception to members of the Summer School. |
| July | 6 | Thursday, 8 A.M. Lectures and recitations begin. |
| July | 6-7 | *Summer Players. Three-act play. 8:30 P.M. |
| July | 11 | Lecture. "Trouble in the Balkans." Dr. Samuel Van Valkenburg. 8:30 P.M. |
| July | 13-14 | *Summer Players. Three-act play. 8:30 P.M. |
| July | 18 | Lecture. "Interrelationships among Plants and Animals." Illustrated. Dr. Potter. 8:30 P.M. |
| July | 19 | *Junior Players. One-act plays. 8:30 P.M. |
| July | 20-21 | *Summer Players. Monodramas. 8:30 P.M. |
| July | 25 | Lecture. "Scenes in Costa Rica and Jamaica." Illustrated. Dr. Clarence F. Jones. 8:30 P.M. |
| July | 27-28 | *Summer Players. One-act plays. |
| August | 1 | The Enjoyment of Poetry. Verse Reading Choirs. Verse Plays. Prof. Robert S. Illingworth. 8:30 P.M. |
| August | 2 | Summer School picnic. 4 P.M. |
| August | 3-4 | *Summer Players. Three-act play. |
| August | 8-9 | *Junior Players. Operetta. |
| August | 11 | Summer Session closes.
Final assembly at 8:30 P.M. Conferring of degrees and
*dramatic production by the Summer Players. |

*Plays to be produced will be announced May 1.

Field trips, dates to be announced.

1. To Babson Institute, Wellesley Hills, Mass., to see the construction of the large relief map of the United States.
2. To the North Shore, Franklin Park Zoölogical Gardens, the Arnold Arboretum, the Aquarium, and the Natural History Museum at Harvard containing the famous glass flowers.
3. Historical and literary trip to Lexington and Concord.
4. See announcement for Geography SS11.

Note.—In order to make up Monday and Tuesday of the first week of Summer School, classes will meet the first two Saturdays, July 8 and 15.

All meetings will be held, unless announcement to the contrary is given, in Atwood Hall, Clark's new auditorium.

COMMITTEE ON THE SUMMER SCHOOL

THE PRESIDENT OF THE UNIVERSITY
THE DIRECTOR OF THE SUMMER SCHOOL
MESSRS. BLAKESLEE, VAN VALKENBURG, BRANDENBURG

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OFFICERS OF INSTRUCTION AND ADMINISTRATION

WALLACE WALTER ATWOOD, PH.D.

President of Clark University and Director of the Graduate School of Geography, Clark University.

ROBERT S. ILLINGWORTH, A.M., Ed.M.....*English and Dramatics*
 Director of the Summer School and Professor of Dramatic Art, Clark University.

CLARENCE F. JONES, PH.D.....*Geography*
 Professor of Economic Geography, Clark University.

WALTER ELMER EKBLAW, PH.D.....*Geography*
 Professor of Geography, Clark University.

SAMUEL VAN VALKENBURG, PH.D.....*Geography*
 Professor of Geography, Clark University.

GORDON G. DARKENWALD, PH.D.....*Geography*
 Instructor, Hunter College, New York City.

GUY H. BURNHAM, A.M.....*Cartography*
 Cartographer, Clark University.

DWIGHT E. LEE, PH.D.....*History*
 Professor of History, Clark University.

H. DONALDSON JORDAN, PH.D.....*History*
 Professor of History, Clark University.

GUY A. LEE, PH.D.....*History*
 Assistant Professor of History, Clark University.

EUGENE F. MELDER, PH.D.....*Economics and Sociology*
 Assistant Professor of Economics, Clark University.

VERNON JONES, PH.D.....*Education*
 Professor of Educational Psychology, Clark University.

DAVID POTTER, PH.D.....*Biology and Botany*
 Professor of Biology, Clark University.

LYDIA P. COLBY.....*Recorder*

FLORENCE CHANDLER.....*Bursar*

THE SUMMER SCHOOL AT CLARK UNIVERSITY

Clark University is now laying special emphasis on fields of study that lead to a better understanding of national and international problems. Geography, Economics, and History and International Relations are of fundamental importance to all students interested in the solution of the larger problems now before the world.

The Summer School program is concentrated in a few closely related departments of study—Geography, History, Economics, English, Drama, Education, Biology, and Botany. The rich library resources of these fields give opportunity for wide reading.

The work of the Summer School is intensive. Courses meet five times a week. Three courses are considered a full program. Many students will find it advantageous to concentrate all their energies on the work of two courses or even on a single course.

Location and Buildings

Clark University is located on Main Street about a mile and a quarter southwest of the City Hall. Trolley cars and buses run directly past the University. Taxicab service is available at moderate price.

The office of the Summer School is located in the Jonas G. Clark Hall, which contains also the general offices of the University. The office of the President of the University and the Geography workroom are in the Geography Building where some classes are held.

All the classroom, library, and laboratory facilities of the University, so far as they pertain to the subjects of instruction offered, are at the disposal of students of the Summer School.

The Library

The Library of the University was provided with a generous endowment by the founder of the Institution, and affords favorable opportunities for study and research. The Library now owns more than 157,000 bound volumes and pamphlets, and the Reading Room receives more than 500 journals. All the privileges of the Library are open to all members of the University, and each member has direct access to every book and journal.

In addition to the library facilities provided by the University, students may avail themselves of the privileges of other excellent libraries in the city. The Worcester Public Library contains 250,000 volumes. The Library of the American Antiquarian Society, housed in the national headquarters of the Society in Worcester, contains more than 500,000 volumes and pamphlets. These libraries are pleased to serve Summer School students.

Admission to the Summer School

Graduates of colleges, technical schools, normal schools, or secondary schools, college students, and teachers in schools of any grade are admitted as a matter of course upon application. Other applicants are admitted upon approval of their qualification for the work which they desire to do.

Students in the College Division of Clark University who desire to have work done in the Summer School credited toward an A.B. degree are required to obtain the approval of the College Board.

Registration

Persons who desire to enter the Summer School should detach and fill out the printed application form in this BULLETIN and forward it, with the registration fee of two dollars, to the Clark University Summer School. The amount of the registration fee will be deducted from the tuition fee when the latter is paid. Checks should be made payable to Clark University.

The registration of all students in all courses should be completed on July 5. To this end students should, as far as possible, determine before the opening of the session, through personal conference or correspondence with the Director, or the various instructors, the courses in which they expect to register.

Formal registration will take place between 9 A.M. and noon on Wednesday, July 5, in Jonas G. Clark Hall. All instructors will be available for consultation and for signing registration cards between these hours. Class work will begin Thursday morning.

Credit for Work Done

Some of the courses of instruction in the Summer School are of college grade, others are strictly graduate courses, and many are equally suitable for advanced undergraduates or graduate students.

Unless otherwise announced, each course is designed to cover the equivalent of two semester hours of credit, and is so credited when applied toward a degree in Clark University. Three courses constitute a full schedule; a maximum of four courses may be taken, but only with the consent of the Director. With the consent of the instructor, students may attend other classes as auditors.

A certificate, with a statement of courses taken and grades received, will be furnished at the close of the session to all students who desire it. In order to obtain a prompt report, students should leave a stamped and addressed envelope at the Recorder's office during the last week of the session.

Summer School courses may be applied toward the fulfillment of the requirements for the degree of Bachelor of Arts, Bachelor of Education, Master of Arts, or Master of Arts in Education, *subject to the general regulations of the University.*

Tuition and Fees

Students taking two or three courses pay a fee of thirty-five dollars; those who desire to take but one course may do so upon payment of a fee of twenty dollars, which entitles them also to all special privileges of the Summer School. The same charge is made whether students register as auditors or for credit. Students who take a fourth course for credit will pay an additional tuition fee of \$10, to be paid as a separate item by the end of the second week of the term.

Students registering in the Summer School who have not previously been enrolled in Clark University are required to pay a matriculation fee of five dollars. The fee is paid only once and is not returnable.

Tuition may be paid at any time before 5 P.M. of Friday, July 7. Checks should be made payable to Clark University.

Board and Rooms

A few rooms are available for women in the Faculty House. Fraternity houses are reserved for men. Reservations may be made by correspondence. Good rooms may be had in private homes near the University at \$3 to \$5 per week. Meals, at moderate prices, may be secured in the vicinity of the University. A list of desirable rooms will be sent on request.

Bachelor of Arts Degree

Students who have been admitted to the Undergraduate Department of the University may secure not more than six semester hours of credit toward the Bachelor of Arts degree in any one summer session on condition that permission be secured in advance from the College Board and that programs of study be approved by the Dean of the College.

The Bachelor of Education Degree

The degree of Bachelor of Education is offered primarily to teachers, both men and women. A two-year Normal School course or its equivalent is a prerequisite for admission to candidacy and a year of teaching experience is a prerequisite for the degree.

Candidates for this degree may earn the necessary residence credit by attendance at the Summer School or by enrolling in extension courses offered at the University during the regular academic year, or in such regular university courses as may be open to them.

Women who are candidates for this degree will usually not find it possible to secure a full program of courses during the regular academic year.

A normal program for Summer School students consists of three courses, each yielding two semester hours of credit. Two extension courses, each yielding two semester hours of credit, constitute a normal program for teachers in service. Credit toward the degree may also be earned in connection with the field trips offered by the Summer School, but credit so earned may not be used to reduce the minimum residence requirement of 30 semester hours.

Courses designated as "College Courses for Adults" are offered during the regular academic year on Saturday morning and on certain afternoons for the convenience of candidates for this degree who are teaching in or near Worcester. By taking advantage of these courses it is possible for a teacher to complete in four years the equivalent of a year of study in residence.

The general administration of regulations applying to the degree of Bachelor of Education is lodged with the Committee on College Courses for Adults and Special Students. The regulations applying to this degree are summarized in the following paragraphs.

1. **ADMISSION REQUIREMENTS.** The completion of a standard two-year course in a Massachusetts State Normal School, or the reasonable equivalent of such a course.

2. **REQUIREMENTS FOR THE DEGREE:**

- a. At least one year's teaching experience.
- b. At least 30 semester hours of credit earned *in residence* at Clark University.
- c. 120 semester hours of college credit, including advanced standing based upon the admission requirements.
- d. Requirements in particular subjects:
 - (1) Six semester hours in Psychology or Education taken after the completion of the two-year Normal School course.
 - (2) Six semester hours of Laboratory Science taken after the completion of the two-year Normal School course.
 - (3) Ten semester hours of English, which may be taken in whole or in part in the Normal School course.
 - (4) Ten semester hours in foreign language, which may be taken in whole or in part in the Normal School course.
 - (5) Twelve semester hours of Economics, Geography, Government, History, or Sociology, at least six of which must be taken after the completion of the two-year Normal School course.

3. **STANDARD OF SCHOLARSHIP.** The same standard of scholarship is required of candidates for this degree as for the degree of Bachelor of Arts.

4. **ADVANCED STANDING:**

- a. Credit of 54 semester hours will normally be given for the standard

two-year course in a Massachusetts State Normal School. This may be reduced in special cases.

- b. Credit will be allowed for work done at other Universities, Colleges or Normal Schools, subject to reasonable regulations.
- c. Not more than 30 semester hours credit may be allowed for home study or extension courses other than the extension courses offered by Clark University expressly for candidates for this degree. The acceptance of any work of this type is subject to the approval of the Committee.

5. LAPSE OF CANDIDACY. By vote of the committee on the degree of Bachelor of Education candidacy terminates automatically whenever for a period of two years or more a candidate has failed to complete any course in Clark University yielding credit toward the degree. A candidacy terminated under this rule may be renewed by action of the committee, and such renewal may involve a revision of allowances previously made, both in respect to total credit, and requirements in particular subjects.

Inquiries regarding the degree of Bachelor of Education should be addressed to the Recorder of the University.

SPECIAL COURSES FOR TEACHERS. In keeping with its long established policy, Clark University offers a series of College Courses for adults designed both in respect to content and time of meeting for teachers in the public schools of Worcester and the surrounding region. These courses are also open to the general public. When occasion arises the subject of aims and methods of teaching is treated in some of these extension courses.

The Master of Arts Degree

A student admitted to full graduate standing may satisfy the minimum residence requirement for the Master of Arts degree by attending six summer sessions of six weeks each, and taking a normal program made up exclusively of graduate courses approved by the department in which the student is seeking the degree. The minimum residence requirement may be met in five sessions, if the Master's thesis is prepared outside summer session periods under the supervision of the department in which the student is a candidate for the degree. In this case, the degree will be conferred not earlier than the June commencement following the completion of the fifth summer session of attendance.

Persons who wish to become candidates for the Master's degree beginning with a summer session, should take up correspondence promptly with Dr. H. Donaldson Jordan, Secretary of the Graduate Board, Clark University. Application blanks with directions for making application for graduate standing will be furnished on request by the Secretary of the Graduate Board. Formal admission to graduate work by the department in which the student seeks the

degree should then be secured in advance of the opening of the summer session.

A person who has already entered upon graduate work should arrange his program for the summer session of 1939 by correspondence with the department in which he is a candidate for a degree.

The Degree of Master of Arts in Education

In February, 1936, the Trustees of the University voted the establishment of a Department of Education which will give work leading to the degree of Master of Arts in Education. The work of the Department formally began at the opening of the academic year 1936-1937, but courses satisfactorily completed in the 1936 summer session by properly qualified students will count toward this degree. The Department will also offer courses which may be counted toward a Bachelor's degree.

Residence Requirement. The residence requirement for this degree of Master of Arts in Education is the same as for the Master of Arts degree, which usually means, in the case of Departments which offer work in the Summer School, that not more than one-half the courses for the degree may be taken in summer sessions. Extension course credits may not be counted in fulfilling the requirements for the Master of Arts degree in Education. However, many regular courses which will normally be taken toward this degree will be scheduled in late afternoons and Saturdays in the regular academic year. These will count toward the satisfaction of regular residence requirements.

Course Requirements. The student working toward the degree of Master of Arts in Education will be expected to elect one of the following groups of studies as the field in which he wishes to teach: (a) mathematics and natural sciences; (b) history and other social sciences; (c) ancient and modern foreign languages; (d) English, alone or in combination with some related subject.

Prior to receiving the degree, the candidate must have completed not less than five year-courses in one of the above groups, or in a combination of groups approved by the Department of Education. At least one year-course of the five must be taken during residence for the advanced degree and be passed with a grade which will carry graduate credit. In addition to the above requirement in the subject-matter field, 16 semester hours of graduate work in Education will normally be required of the candidate during residence. Also, the student must present a thesis, or special report, in which he demonstrates not only his grasp of the subject-matter which he

plans to teach but also a mastery of the educational principles necessary for such teaching. Work in addition to the above requirements, either in a subject-matter field or in Education, or both, may be required if this seems necessary for the adequate preparation of the candidate.

Admission. Students whose first connection with the Graduate School of the University is in the summer session will not be formally considered as candidates for classification as regular graduate students until after a summer in residence. Students with a better-than-average record from their undergraduate college and who make superior grades at Clark may expect to be accepted as regular graduate students.

Courses for Graduate Students. The following courses carrying graduate credit in Education are to be offered in the summer session of 1939.

Education for Character and Citizenship	DR. V. JONES
Educational Guidance	DR. V. JONES
Educational Sociology	DR. MELDER

Courses for Undergraduate Students. Students working toward a Bachelor's degree may register for any of the above courses with the permission of the instructor.

The Summer School Association

The Summer School Association was organized by the students at the first session of the Summer School in 1921. The Association promotes the social activities of the school during the summer session. Every student is urged to participate in the activities of the Association as they develop during the term.

Summer Tourist Railroad Rates

Summer Tourist Railroad Rates from Chicago and places west of Chicago will probably be in effect from June to October. Inquiry should be made at local ticket offices.

The Summer School Roster

The names of students of the Summer School, with their home addresses, will be found in the General Catalogue of the following academic year. Students who desire a list should write to the University after February 1, of the following year.

DEPARTMENT ANNOUNCEMENTS

The right is reserved to withdraw any course listed in the event of a registration too small to justify its being given.

Courses marked with an asterisk () may be taken for graduate credit.*

Geography

The courses in geography announced here include undergraduate and graduate courses in the several phases of the subject. Certain fundamental courses are offered every summer. Others are given every other year or occasionally.

Students whose assignments involve the preparation of maps or who wish to practice map-making will appreciate the opportunity for special help by the cartographer, Mr. G. H. Burnham, in the geography workroom.

Attention is called to the course SS11, which provides field trips to several sections of southern New England of special geographic interest.

SS11. Saturday Field Trips. Reconnaissance studies of representative regions of New England by motor coach or automobile: (1) Massachusetts Upland, (2) Blackstone Valley, (3) Connecticut Valley, and (4) Cape Cod. Approximate cost is \$15. One semester hour of credit for satisfactory completion of the course. These trips supplement especially Human Geography and the Geography of North America.

All day Saturday.

DR. EKBLAW

SS14. II Economic Geography. A study of the relation of physical and economic conditions in the mining, manufacturing, and trade of the world.

Daily, except Saturday, at 8.

DR. C. F. JONES

SS190. Mathematical Geography. A study of the practical aspects of the earth's relations to the other bodies of the Universe. Among other topics, latitude, longitude and time with their application to human affairs will be discussed.

Daily, except Saturday, at 12.

MR. BURNHAM

SS191. Cartography and Graphics. A course in the construction of graphs and maps designed to aid teachers in becoming acquainted at first hand with the most effective methods of presenting geographic materials in graphic form.

Daily, except Saturday, at 11.

MR. BURNHAM

***SS201. Geography of North America.** A regional study of the continent; the relationships of the regions—physiographic, climatic, soil, and plant; the adaptations of man's activities to various physical factors and the distinctive industries and communities arising from them.

Daily, except Saturday, at 12.

DR. EKBLAW

***SS202. Political Geography.** A geographical interpretation of the present political problems in the world.

Daily, except Saturday, at 11.

DR. VAN VALKENBURG,
ASSISTED BY DR. DARKENWALD

***SS222. Climates of the World.** A short but complete review of the climatic regions of the world with special reference to the influence of climate on man and his economic activities. (This course is required of candidates for the Master's degree.)

Daily, except Saturday, at 9.

DR. VAN VALKENBURG,
ASSISTED BY DR. DARKENWALD

***SS27. Human Geography.** A survey of man's occupancy of the earth to determine the part that geographic influences have played in shaping the movements of peoples, the course of civilization and racial development, and the destiny of nations.

Daily, except Saturday, at 10.

DR. EKBLAW

***SS283. Caribbean America.** A lecture course on the geography of Mexico, the Central American states, and the islands bordering the Caribbean Sea; the historical background of the republics and islands of the Caribbean; the major geographic regions of the different countries; the economic positions of the republics and islands; economic and other problems facing the various regions; the expansion of the United States into the Caribbean; the commercial importance of the various republics and islands as a market for manufactured wares and as a source of foodstuffs and raw materials.

Daily, except Saturday, at 2.

DR. C. F. JONES

***SS30. Seminar in Geography.** An organized discussion of research problems and theses. Attendance is required of all students preparing theses or conducting research.

Mondays at 3.

DRS. C. F. JONES, EKBLAW, VAN VALKENBURG
AND DARKENWALD

***SS34. Research in Geography.** For properly qualified students.

DRS. C. F. JONES, EKBLAW AND VAN VALKENBURG

**Courses to be offered under the auspices of the World Federation
of Education Associations, July 5th to August 27th,
on S.S. Rotterdam**

SS24 Special. South America. The important physiographic regions and types of climate; vegetation; people of South America; the major problems of the several South American republics; geographic regions of the continent; the future of South America.

Thirty (30) recitation periods, including a final examination.

Two (2) semester hours of credit.

DR. EARL B. SHAW

SS283 Special. Caribbean America. A lecture course on the geography of the Lesser and Greater Antilles, the Central American

states and Mexico; an analysis of the economic positions of the republics and islands; the economic and other problems facing the various sections; the relation of the United States to the different regions of the Caribbean.

Thirty (30) recitation periods, including a final examination.

Two (2) semester hours of credit.

DR. EARL B. SHAW

History and International Relations

***SS27. Conflicts of Political Ideas.** A study of current political *isms* and their background. A discussion of totalitarianism and its challenge to democracy in Russia, Germany, and Italy will be followed by a consideration of liberalism and democracy mainly in England and the United States. Lectures, readings, reports.

Daily, except Saturday, at 10.

DRS. D. E. LEE AND JORDAN

***SS221. Postwar International Relations of Europe.** After a survey of the period to 1933, special emphasis will be placed upon the diplomatic revolution occasioned by the policies of Fascist Italy and Nazi Germany and the repercussions in the Mediterranean and Central Europe especially as they affect France and Great Britain. Lectures, readings, and reports.

Daily, except Saturday, at 9.

DRS. D. E. LEE AND JORDAN

***SS201. Social and Intellectual History of the United States, 1607-1825.** This course will trace the evolution of American life through the Colonial period to the close of the Revolutionary epoch. Economic movements, humanitarian reforms, and religious developments will be stressed as well as intellectual and artistic progress.

Daily, except Saturday, at 8.

DR. GUY A. LEE

***SS356. Research in History.** Open to properly qualified students.

DRS. DWIGHT LEE, GUY LEE, AND JORDAN

Economics and Sociology

SS2. Current Economic Problems. An introduction to economics through a study of the leading problems faced by citizens today. Included are such topics as the problems of consumers, laboring groups, farmers, merchants, manufacturers and the professions. A beginner's course which has no prerequisites in economics or sociology.

Daily, except Saturday, at 11.

DR. MELDER

***SS19. Educational Sociology.** A sociological approach to educational problems. A study of the relationships of education and intellectual leadership to politics, government, patriotism, and such socio-economic phenomena as poverty, crime, and pressure groups. No sociology prerequisite.

Daily, except Saturday, at 12.

DR. MELDER

***SS32. Research in Selected Social and Economic Problems.** For properly qualified graduate students.

DR. MELDER

English and Dramatics

SS4. Modern Poetry. This course aims to create an understanding of poetry for the purpose of reading as well as writing it. The student is encouraged to form independent critical opinion. Some emphasis will be placed upon oral interpretation. The reading will start with Whitman and give a rapid survey of English and American poetry to the present day.

Daily, except Saturday, at 9.

PROFESSOR ILLINGWORTH

SS113. Modern British Drama. The course will include the reading of representative plays by contemporary English, Irish and Scotch dramatists. Significant movements in the theatre will likewise be discussed through their chief exponents.

Daily, except Saturday, at 10.

PROFESSOR ILLINGWORTH

SS5. Stagecraft. The course is designed primarily to give training in dramatic expression. Further, it takes into consideration the allied arts of the theatre, the function of stage settings, the procedure in mounting a play, the evolution of the design through sketches and miniature models, costumes, properties, make-up, pantomime, rehearsals, directing, choice of play, and theatre organization and management. The student is familiarized with all the responsibilities of play production. In so far as possible, members of this class will be chosen for the productions of the summer theatre.

Note.—A special bulletin outlining the work in this course will be ready May first. The first two productions will be cast before the opening of the Summer Session. Early registration will help in selecting the casts.

Daily, except Saturday, at 11.

PROFESSOR ILLINGWORTH AND
ASSISTANTS

SS2. Public Speaking. A course in the composition and delivery of speeches and practice in impromptu speaking. The student is taught to breathe correctly; exercises are given to overcome speech defects; relation of speaker to audience; posture, movement, gesture, pronunciation and enunciation, methods of preparing a speech, vocabulary building. The aim of the course is to train the student to think logically and to speak simply and effectively when on his feet.

Daily, except Saturday, at 12.

PROFESSOR ILLINGWORTH

Demonstration Classes

The Children's Theatre will conduct observation classes in acting, music, speech, puppetry, make-up and play production.

Education

***SS20. Education for Character and Citizenship.** A survey of the experimental evidence in the field and a study of the application of

such evidence to curriculum, methods, school discipline, and extra-curricular activities.

Daily, except Saturday, at 9.

DR. V. JONES

***SS311. Educational Guidance.** A survey of the main points of view and techniques of educational diagnosis and guidance in the schools. Some attention will be given to tests and measurements as they apply to guidance.

Daily, except Saturday, at 11.

DR. V. JONES

See *SS19 (Sociology) Educational Sociology.

Daily, except Saturday, at 12.

DR. MELDER

See SS15 (Botany) Methods in Teaching Botany.

M., Tu., Th., F., at 10, Weds. at 2.

DR. POTTER

Biology and Botany

SS10. General Biology. An introduction to the field of biology. A brief survey of the major groups of plants and animals. A laboratory fee of \$2.00 is required.

Tues., Wed., Th., Fri., at 8, and one laboratory period Monday afternoon at 2.

DR. POTTER

SS15. Methods in Teaching Botany. A laboratory fee of \$2.00 is required.

Mon., Tues., Th., Fri., at 10, and one laboratory period Wednesday afternoon at 2.

DR. POTTER

***SS300. Research in Botany.**

DR. POTTER

SCHEDULE OF LECTURE AND RECITATION HOURS

<i>Instructor</i>	8	9	10	11	12	Afternoon
ILLINGWORTH		English 4	English 113	English 5	English 2	
C. F. JONES	Geography 14					†Geog. *283 †Geog. *34 PGeog. *30
EKBLAW			Geography *27		Geography *201	**Geog. 11 PGeog. *30 †Geog. *34
VAN VALKENBURG		Geography *222		Geography *202		PGeog. *30 †Geog. *34
DARKENWALD		Geography *222		Geography *202		PGeog. *30
BURNHAM				Geography 191	Geography 190	PGeog. *30
JORDAN		History *221	History *27			†History *356
D. E. LEE		History *221	History *27			†History *356
GUY LEE	History *201					†History *356
MELDER				Economics 2	Sociology *19	†Sociology *32
VERNON JONES		Education *20		Education *311		
POTTER	Biology 10		Botany 15			†Botany *300 §Biology 10 #Botany 15

NOTE: All the above courses are Summer School courses. The symbol "SS" before the numeral which distinguishes courses in Summer School from those given during the regular academic year is omitted. *Courses suitable for graduate credit. †Daily, except Saturday, at 2. P Mondays, at 3. ‡Time to be arranged. **All day Saturday. §Mondays, at 2. #Wednesdays, at 2.

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Clark University Bulletin

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MARCH, 1939

CATALOGUE NUMBER

The Catalogue is a record for the current academic year, 1938-39. Such announcements for the year 1939-40 as can be made at the time of publication are included.

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Entered as second-class matter, December 29, 1920, at the Post Office at Worcester, Mass., under the Act of August 24, 1912. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized January 24, 1921.

Historical Note

Clark University owes its existence to the interest in higher education of Jonas Gilman Clark, who was born at Hubbardston, Worcester County, Massachusetts, February 1, 1815. Conscious of the meagerness of his own early educational opportunities, he devoted his later years to the establishment and nurture of the institution which bears his name. In this he was ably assisted by his wife, Susan W. Clark, and by prominent citizens of Worcester. Mr. Clark died at Worcester on May 23, 1900.

The charter of the University was granted by the General Court of Massachusetts in 1887. The Graduate Division, with Granville Stanley Hall as president, received its first students in 1889. Special provision was made in Mr. Clark's will for the establishment of an Undergraduate Division with its own president but under the same general control as the Graduate Division. Carroll Davidson Wright was chosen president of the Undergraduate Division and students were first received in October, 1902. After the death of President Wright in 1909, Edmund Clark Sanford, then Professor of Psychology in the Graduate Division, was chosen as President of the college.

In June, 1920, Presidents Hall and Sanford resigned and Wallace Walter Atwood was elected to the presidency of both the Graduate and the Undergraduate Divisions of the University.

During the academic year 1920-21 the two faculties continued their separate organizations while plans for unification were being worked out. These plans, approved by the Board of Trustees, went into effect in 1921-22 and provided for the fusion of the two faculties into a single body.

With the election of President Atwood, provision was made for the establishment of a Graduate School of Geography, and work in that school was begun in the fall of 1921.

A Summer School with a six weeks' session has been conducted each year, beginning in 1921.

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Calendar

The academic year begins on the Monday before the fourth Thursday in September, and ends on Commencement Day, the thirty-eighth Monday (the first or second Monday in June).

The first semester ends on the Saturday before the twentieth Monday and the second semester begins on the twentieth Monday of the academic year.

1938

Sept. 16-17	Freshman induction days.
Sept. 17 Saturday	Registration day for Freshmen.
Sept. 19 Monday	Registration day for all other students. Beginning of academic year.
Nov. 23 Wednesday	Beginning of Thanksgiving recess at 6 P. M.
Nov. 28 Monday	End of Thanksgiving recess at 8 A. M.
Dec. 17 Saturday	Beginning of Christmas recess at 1 P. M.

1939

Jan. 3 Tuesday	End of Christmas recess at 8 A. M.
Jan. 9-11	Registration days for second semester.
Jan. 16 Monday	Beginning of semester examination period.
Jan. 28 Saturday	End of first semester.
	Last day for receiving applications for undergraduate scholarships for the second semester.
Jan. 30 Monday	Beginning of second semester.
Feb. 1 Wednesday	Founder's Day. Not a holiday.
Feb. 4 Saturday	Last day for changes in undergraduate programs.
	Last day for receiving applications for admission to candidacy for the degree of Master of Arts in June, 1939.
Feb. 9 Thursday	Last day for payment of term bills.
Feb. 22 Wednesday	Washington's Birthday. A holiday.
Feb. 28 Tuesday	Last day for receiving applications for graduate scholarships and fellowships for 1939-40.
Mar. 25 Saturday	Mid-semester reports.
Apr. 1 Saturday	Beginning of spring recess at 1 P. M.
Apr. 10 Monday	End of spring recess at 8 A. M.
May 22 Monday	Beginning of semester examination period.
May 30 Tuesday	Memorial Day. A holiday.
June 1 Thursday	Last day of semester examinations.
June 2 Friday	Dissertations and theses for the Ph.D. and M.A. degrees are due at the office of the Recorder at 9 A. M.
June 5 Monday	Commencement Day.
July 5 Wednesday	Summer School opens. Registration day.
July 8 Saturday	Last day for payment of Summer School tuition.
Aug. 11 Friday	Summer School closes.
	Final Assembly of the Summer School at 8 P. M.
	Conferring of degrees.

Sept. 22-23		Freshman induction days.
Sept. 23	Saturday	Registration day for Freshmen.
Sept. 25	Monday	Registration day for all other students. Beginning of academic year.
Oct. 2	Monday	Last day for changes in undergraduate programs.
Oct. 5	Thursday	Last day for payment of term bills.
Oct. 12	Thursday	Columbus Day. Not a holiday.
Oct. 31	Tuesday	Last day for receiving applications for admission to candidacy for the degree of Doctor of Philosophy in June, 1940.
Nov. 11	Saturday	Armistice Day. Not a holiday.
Nov. 25	Saturday	Mid-semester reports.
Nov. 29	Wednesday	Beginning of Thanksgiving recess at 6 P. M.
Dec. 4	Monday	End of Thanksgiving recess at 8 A. M.
Dec. 16	Saturday	Beginning of Christmas recess at 1 P. M.
1940		
Jan. 2	Tuesday	End of Christmas recess at 8 A. M.
Jan. 15-17		Registration days for second semester.
Jan. 22	Monday	Beginning of semester examination period.
Feb. 1	Thursday	Founder's Day. Not a holiday.
Feb. 3	Saturday	End of first semester.
		Last day for receiving applications for undergraduate scholarships for the second semester.
Feb. 5	Monday	Beginning of second semester.
Feb. 10	Saturday	Last day for changes in undergraduate programs.
		Last day for receiving applications for admission to candidacy for the degree of Master of Arts in June, 1940.
Feb. 15	Thursday	Last day for payment of term bills.
Feb. 22	Thursday	Washington's Birthday. A holiday.
Feb. 29	Thursday	Last day for receiving applications for graduate scholarships and fellowships for 1940-41.
Mar. 30	Saturday	Mid-semester reports.
Apr. 6	Saturday	Beginning of spring recess at 1 P. M.
Apr. 15	Monday	End of spring recess at 8 A. M.
May 27	Monday	Beginning of semester examination period.
May 30	Thursday	Memorial Day. A holiday.
June 6	Thursday	Last day of semester examinations.
June 7	Friday	Dissertations and theses for the Ph.D. and M.A. degrees are due at the office of the Recorder at 9 A. M.
June 10	Monday	Commencement Day.

BOARD OF TRUSTEES

GEORGE H. MIRICK (1920), Vice President and Treasurer	Worcester, Mass.
FREDERIC B. WASHBURN (1925)	Worcester, Mass.
ALEXANDER H. BULLOCK (1926), President	Worcester, Mass.
LEON E. FELTON (1930) Secretary	Worcester, Mass.
FRANCIS H. DEWEY, JR. (1934)	Worcester, Mass.
ROBERT H. LOOMIS (1936)	Boston, Mass.
FRANK L. ADAMS (1938)	Worcester, Mass.
HERBERT PARKER (1907)	Died February 11, 1939
ARTHUR P. RUGG (1910)	Died June 12, 1938
CHARLES H. THURBER (1913)	Died December 9, 1938

Final authority in all matters pertaining to the University is lodged in the Board of Trustees by charter granted by the General Court of the Commonwealth of Massachusetts.

ADMINISTRATIVE OFFICERS

President of the University and Director of the Graduate School of Geography	W. W. ATWOOD, SR.
Acting Librarian	EDITH M. BAKER
Dean of the College	H. P. LITTLE
Director of the Summer School	R. S. ILLINGWORTH
Director of Extension Courses	P. H. CHURCHMAN
Recorder	LYDIA P. COLBY
Bursar	FLORENCE CHANDLER

University Staff

THE UNIVERSITY FACULTY

(Listed in order of academic seniority within each rank.)

- WALLACE WALTER ATWOOD, PH.D. 160 Woodland St.
President, Professor of Physical and Regional Geography, and Director of the
Graduate School of Geography, since 1920.
B.S., University of Chicago, 1897; Ph.D., 1903.
- HOMER PAYSON LITTLE, PH.D. 156 Woodland St.
Dean of the College and Professor of Geology since 1922.
A.B., Williams College, 1906; Ph.D., Johns Hopkins University, 1910.
- WILLIAM HENRY BURNHAM, PH.D. 28 Chestnut St.
Professor of Education and School Hygiene, 1906-26. Professor Emeritus.
- WILLIAM HOMER WARREN, PH.D.
Professor of Organic Chemistry, 1925-1937. Professor Emeritus.
- DOUGLAS CLAY RIDGLEY, PH.D.
Professor of Geography in Education, 1927-1937. Professor Emeritus.
- BENJAMIN SHORES MERIGOLD, PH.D. 17 Charlotte St.
Professor of Chemistry and Director of the Chemical Laboratories.
A.B., Harvard University, 1896; A.M., 1897; Ph.D., 1901. Assistant Professor,
1903-08; Professor since 1908.
- GEORGE HUBBARD BLAKESLEE, PH.D., L.H.D., LL.D.
Professor of History and International Relations. 21 Downing St.
A.B., Wesleyan University, 1893; L.H.D., 1923; A.M., Harvard University,
1900; Ph.D., 1903; L.H.D., Williams College, 1930; LL.D., Brown Univer-
sity, 1936. Instructor, 1903-04; Assistant Professor, 1904-09; Professor since
1909.
- PHILIP HUDSON CHURCHMAN, PH.D. 20 Institute Rd.
Professor of Romance Languages and Director of Extension Courses.
A.B., Princeton University, 1896; A.M., 1903; Ph.D., Harvard University,
1908. Assistant Professor, 1908-11; Professor since 1911.
- HAVEN DARLING BRACKETT, PH.D. 114 Woodland St.
Professor of Greek and Latin.
A.B., Amherst College, 1898; Ph.D., Harvard University, 1904. Instructor,
1904-06; Assistant Professor, 1906-12; Professor since 1912.

LEROY ALLSTON AMES, A.M. 166 Woodland St.
Professor of English Literature.

A.B., Harvard University, 1896; A.M., 1901. Instructor, 1908-10; Assistant Professor, 1910-15; Professor since 1915.

LORING HOLMES DODD, PH.D. 88 Sagamore Rd.
Professor of Rhetoric. Curator of Art.

A.B., Dartmouth College, 1900; A.M., Columbia University, 1901; Ph.D., Yale University, 1907. Instructor, 1910-13; Assistant Professor, 1913-16; Associate Professor, 1916-20; Professor since 1920.

*ROBERT HUTCHINS GODDARD, PH.D.

Professor of Physics and Director of the Physical Laboratories.

B.S., Worcester Polytechnic Institute, 1908; A.M., Clark University, 1910; Ph.D., 1911. Instructor, 1914-15; Assistant Professor, 1915-19; Associate Professor, 1919-20; Professor since 1920.

SAMUEL J. BRANDENBURG, PH.D. 173 Woodland St.
Professor of Economics and Sociology since 1923.

A.B., Miami University, 1904; Ph.M., University of Chicago, 1909; Ph.D., University of Wisconsin, 1922.

CLARENCE FIELDEN JONES, PH.D. 193 Lovell St.
Professor of Economic Geography.

B.S., University of Chicago, 1917; Ph.D., 1923. Assistant Professor, 1923-26; Associate Professor, 1926-28; Professor since 1928.

WALTER ELMER EKBLAW, PH.D. Wheeler Ave., N. Grafton, Mass.
Professor of Geography.

A.B., University of Illinois, 1910; A.M., 1912; Ph.D., Clark University, 1926. Associate Professor, 1926-28; Professor since 1928.

HUDSON HOAGLAND, PH.D. 150 Woodland St.
Professor of Physiology and Director of the Biological Laboratories since 1931.
A.B., Columbia University, 1921; M.S., Massachusetts Institute of Technology, 1924; Ph.D., Harvard University, 1927.

SAMUEL VAN VALKENBURG, PH.D. 10 South Flag St.
Professor of Climatology and Regional Geography.

Ph.D., University of Zürich, 1918. Special Lecturer in Geography, second semester, 1926-27; Assistant Professor, 1927-29; Associate Professor 1932-37; Professor since 1937 (February).

JESSE LUNT BULLOCK, PH.D. 35 Downing St.
Professor of Chemistry.

A.B., Harvard University, 1914; A.M., 1928; Ph.D., 1932. Assistant Professor, 1926-32; Associate Professor 1932-37; Professor since 1937 (February).

*Absent on leave, 1938-39

- JAMES ACKLEY MAXWELL, PH.D.** 9 Shirley St.
Professor of Economics.
A.B., Dalhousie University, 1921; A.M., Harvard University, 1923; Ph.D., 1927 (February). Instructor, 1924-26; Assistant Professor, 1926-28; Associate Professor, 1928-37; Professor since 1937 (February).
- VERNON JONES, PH.D.** 267 Salisbury St.
Professor of Educational Psychology.
A.B. and A.M., University of Virginia, 1920; A.M., Columbia University, 1924; Ph.D., 1926. Associate Professor, 1926-38; Professor since 1938 (February).
- ARTHUR FLETCHER LUCAS, PH.D.** 31 Stoneland Rd.
Professor of Economics and Sociology.
A.B., Bates College, 1920; A.M., Princeton University, 1923; Ph.D., 1925. Assistant Professor, 1926-29; Associate Professor, 1929-38; Professor since 1938 (February).
- DWIGHT ERWIN LEE, PH.D.** 8 Shepard St.
Professor of Modern European History.
A.B., University of Rochester, 1921; A.M., 1922; Ph.D., Harvard University, 1928 (February). Assistant Professor, 1927-30; Associate Professor, 1930-38; Professor since 1938 (February).
- HENRY DONALDSON JORDAN, PH.D.** 171 Woodland St.
Professor of English History.
A.B., Harvard University, 1918; A.M., 1922; Ph.D., 1925. Associate Professor, 1931-38; Professor since 1938 (February).
- ROBERT STANLEY ILLINGWORTH, A.M., ED.M.** 209 Lovell St.
Professor of Dramatic Art. Director of the Summer School.
A.B., Clark University, 1917; A.M., Lafayette College, 1926; Ed.M., Harvard University, 1933. Associate Professor of English, 1931-38; Professor since 1938 (February).
- DAVID POTTER, PH.D.** 974 Main St.
Professor of Biology.
B.Sc., Massachusetts Agricultural College, 1916; M.Sc., 1923; Ph.D., Harvard University, 1931. Instructor, 1924-27; Assistant Professor, 1927-33; Associate Professor, 1933-38; Professor since 1938 (February).
- CAREY EYSTER MELVILLE, A.B.** 16 Isabella St.
Associate Professor of Mathematics.
A.B., Northwestern University, 1901. Assistant in Mathematics, 1906-09; Instructor, 1909-11; Assistant Professor, 1911-18; Associate Professor since 1918. Registrar, 1914-32.
- PERCY MARTIN ROOPE, PH.D.** 1 Tamarack Way
Associate Professor of Physics.
A.B., Clark University, 1920; A.M., 1924; Ph.D., 1927. Instructor, 1921-27; Assistant Professor, 1927-31; Associate Professor since 1931.

HEINRICH MORANT BOSSHARD, PH.D.

Associate Professor of German. 952 Main St., Leicester, Mass.
Ph.D., University of Zürich, 1919; M.Ed., Harvard University, 1921. Assistant Professor, 1927-32; Associate Professor since 1932.

RAYMOND B. CATTELL, PH.D.

138 Woodland St.

Associate Professor of Genetic Psychology since 1938.

B.Sc., University of London, Kings College, 1924; M.A. and Ph.D., 1929.

C. LADD PROSSER, PH.D.

53 Maywood St.

Associate Professor of Physiology.

A.B., University of Rochester, 1929; Ph.D., Johns Hopkins University, 1932. Assistant Professor, 1935-38; Associate Professor since 1938 (February).

DAVID MITCHELL DOUGHERTY, PH.D.

5 Columbine Rd.

Assistant Professor of Romance Languages since 1931.

A.B., University of Delaware, 1925; A.M., Harvard University, 1927; Ph.D., 1932.

WALLACE WALTER ATWOOD, JR., PH.D.

88 Morningside Rd.

Assistant Professor of Physiography and Regional Geography since 1932 (February). B.S., University of Chicago, 1926; A.M., Clark University, 1927; Ph.D., 1930.

HAROLD S. JANTZ, PH.D.

14 Woodland St.

Assistant Professor of German since 1934.

A.B., Oberlin College, 1929; A.M., University of Wisconsin, 1930; Ph.D., 1933.

ROBERT H. BROWN, PH.D.

7 Brookline St.

Assistant Professor of Experimental Psychology since 1937.

A.B., Wesleyan University, 1932; A.M., Clark University, 1933; Ph.D., 1935.

CHARLES M. POMERAT, PH.D.

98 Woodland St.

Assistant Professor of Biology.

A.B., Clark University, 1932; A.M., Harvard University, 1934; Ph.D., 1937. Assistant in Biology, 1929-33; Instructor 1933-37; Assistant Professor since 1937 (February).

DUNCAN PECK MACDOUGALL, PH.D.

106 Woodland St.

Assistant Professor of Chemistry since 1937.

A.B., Pomona College, 1929; Ph.D., University of California, 1933.

FREDERICK EUGENE MELDER, PH.D.

8 Breezy Green Rd., Leicester, Mass.

Assistant Professor of Economics and Sociology since 1937.

B.B.A., University of Washington, 1926; M.A., 1931; Ph.D., University of Wisconsin, 1936.

- DONALD E. SUPER, M.A. 18 Downing St.
Assistant Professor of Educational Psychology since 1938.
B.A., University of Oxford, 1932; M.A., 1936.
- ANDREW HOOVER, PH.D. 144 Woodland St.
Assistant Professor in English. Proctor at Estabrook Hall.
A.B., University of Kentucky, 1932; Ph.D., Yale University, 1938. Instructor,
1936-39; Assistant Professor since 1939 (February).
- GUY A. LEE, PH.D. 95 Maywood St.
Assistant Professor in American History.
A.B., Wabash College, 1932; A.M., Harvard University, 1934; Ph.D., 1938.
Instructor, 1937-38; Assistant Professor since 1939 (February).
- H. EARLE JOHNSON, MUS.M. 18 Downing St.
Instructor in Music since 1936, and Director of the Musical Organizations.
Mus.B., Boston University, 1932; Mus.B., Yale University, 1933; Mus.M., 1934.
- STUART T. MARTIN, D.SC. 28 Hollywood St.
Instructor in Physics and Mathematics since 1938.
B.S., Massachusetts Institute of Technology, 1934; D.Sc., 1938.

OTHER MEMBERS OF THE STAFF

- GREGORY PINCUS, PH.D. 60 Downing St.
Visiting professor of experimental biology.
- GUY H. BURNHAM, A.M. 19 Woodman Rd.
Cartographer, Graduate School of Geography.
- SAUL ROSENZWEIG, PH.D. Worcester State Hospital
Special lecturer in abnormal psychology.
- ERNEST RAYMOND WHITMAN 48 Downing St.
Director of physical education.
- MICHAEL B. FOX, M.D. 390 Main St.
Medical director.

RESEARCH ASSOCIATES IN BIOLOGY

- MARK GRAUBARD, PH.D. HERBERT SHAPIRO, PH.D.
JAMES C. McCANN, M.D., PH.D. NICHOLAS T. WERTHESEN

TUTOR IN THE DEPARTMENT OF GERMAN

WOODROW C. LODDING, A.B.

ASSISTANT IN ENGLISH

PAUL F. MARBLE, A.M.

STUDENT ASSISTANTS

Biology

ZAREH HADIDIAN, M.S.

FRED H. HOWARD

Chemistry

FRANCIS H. BRATTON, A.M.

HUBERT M. COLE, JR., A.B.

ROBERT E. BROUILLARD, B.S.

MILTON E. MADORSKY, A.B.

Economics and Sociology

PAUL M. GOLDBERG, A.B.

J. FRED HOLLY, A.M.

Geography

LEO ALPERT, B.S. IN ED.

SIDLEY K. MACFARLANE, A.B.

TREVOR LLOYD, B.S.

JOHN C. SHERMAN, A.B.

JOHN L. TAYLOR, A.B. IN ED.

Geology

PAUL F. MARTIN

History and International Relations

HOWARD W. CROCKER, A.M.

JOHN NATALIZI, A.M.

FORREST C. POGUE, JR., A.M.

Physics

MATTHEW L. SANDS

NATHAN SHAPIRO

Psychology and Education

MARY A. DOLAN, A.M.

ELWOOD S. LEFFEL, A.B.

HOWARD E. PAGE, A.M.

FLORENCE CHANDLER

18 Downing St.

Bursar.

LYDIA P. COLBY

276 Highland St.

Recorder.

JOHN W. BOARDMAN

15 Shirley St.

Superintendent of buildings and grounds.

Governing Boards and Committees

THE UNIVERSITY FACULTY

The Faculty consists of the President, the Librarian, and all members of the staff giving regular courses of instruction. It has immediate supervision over the general educational work of the University and is responsible for the nomination to the Board of Trustees of candidates for baccalaureate degrees and for honorary degrees.

Secretary of the Faculty, Benjamin S. Merigold.

THE UNIVERSITY SENATE

An advisory board appointed by the President

George H. Blakeslee	Robert S. Illingworth
Samuel J. Brandenburg	Clarence F. Jones
Philip H. Churchman	Vernon Jones
Loring H. Dodd	Homer P. Little
Hudson Hoagland	

THE GRADUATE BOARD

The Graduate Board consists of the President and representatives of the departments offering advanced graduate instruction. It has general control of the work of the Graduate Division of the University and is responsible for the nomination to the Board of Trustees of candidates for the degrees of Master of Arts and of Doctor of Philosophy.

President Wallace W. Atwood, *ex officio*

George H. Blakeslee	Clarence F. Jones
Samuel J. Brandenburg	Vernon Jones
Jesse L. Bullock	Dwight E. Lee
Raymond B. Cattell	Arthur F. Lucas
W. Elmer Ekblaw	James A. Maxwell
Robert H. Goddard	Benjamin S. Merigold
Hudson Hoagland	Samuel Van Valkenburg
H. Donaldson Jordan, <i>Secretary</i>	

Alternates

Percy M. Roope

C. Ladd Prosser

THE COLLEGE BOARD

The College Board consists of the President, the Dean of the College, and six members of the Faculty, appointed by the President. It has immediate supervision over the work of the Undergraduate Division, subject to the control of the Faculty, and recommends to the Faculty candidates for the degree of Bachelor of Arts.

President Wallace W. Atwood } *ex officio*
 College Dean Homer P. Little }

Andrew Hoover
 Duncan P. MacDougall
 Samuel Van Valkenburg
 Dwight E. Lee, *Secretary*
 David Potter
 Percy M. Roope

THE COMMITTEE ON EXTENSION COURSES AND SPECIAL STUDENTS

The Committee exercises general supervision over "courses of college grade for adults" and over special students including candidates for the degree of Bachelor of Education, and recommends to the Faculty candidates for this degree.

President Wallace W. Atwood, *ex officio*
 Philip H. Churchman, *Chairman*

Samuel J. Brandenburg, *Secretary*
 H. M. Bosshard
 H. Earle Johnson
 Homer P. Little
 The Director of the Summer School, *ex officio*

THE COMMITTEE ON THE SUMMER SCHOOL

President Wallace W. Atwood, *ex officio*
 Director of the Summer School, Robert S. Illingworth
 George H. Blakeslee
 Samuel J. Brandenburg
 S. Van Valkenburg

THE COMMITTEE ON PERSONNEL AND ORGANIZATION

Elected annually to advise the President regarding the personnel and the organization of departments.

Dwight E. Lee
 Homer P. Little
 James A. Maxwell
 Benjamin S. Merigold
 David Potter

THE COMMITTEE ON CURRICULUM

President Wallace W. Atwood } *ex officio*
 Dean Homer P. Little }
 Philip H. Churchman, *Chairman*

Leroy A. Ames
 Loring H. Dodd

Vernon Jones
 Dwight E. Lee

Samuel J. Brandenburg

STANDING COMMITTEES OF THE
GRADUATE BOARD

The President of the University is, *ex officio*, a member of all committees of the Graduate Board.

THE COMMITTEE ON CREDENTIALS

The committee passes upon applications for admission to the graduate division and makes recommendations to the Graduate Board in respect to fellowships and scholarships and candidacy for graduate degrees.

Clarence F. Jones, *Chairman-Secretary*

George H. Blakeslee
 Samuel J. Brandenburg

Vernon Jones
 Benjamin S. Merigold

THE COMMITTEE ON PROFICIENCY IN FOREIGN LANGUAGES

The committee examines candidates for the degree of Doctor of Philosophy for proficiency in foreign languages.

Philip H. Churchman, Professor of Romance Languages
 Heinrich M. Bosshard, Associate Professor of German
 A representative of the student's major department.

STANDING COMMITTEES OF THE
COLLEGE BOARD

The President of the University and the Dean of the College are,
ex officio, members of all committees of the College Board.

EXECUTIVE COMMITTEE

Dwight E. Lee, *Secretary*

David Potter

THE COMMITTEE ON ADMISSIONS

Samuel J. Brandenburg
Robert S. IllingworthCarey E. Melville
Benjamin S. Merigold

COMMITTEE ON DEPARTMENTAL HONORS

Vernon Jones, *Chairman*

Leroy A. Ames

H. Donaldson Jordan

Samuel J. Brandenburg

David Potter

David M. Dougherty

THE COMMITTEE ON ATHLETICS

David Potter, *Chairman*

Arthur F. Lucas

Ernest R. Whitman

James A. Maxwell

COMMITTEE ON STUDENT FINANCES

Guy H. Burnham, *Chairman*

James A. Maxwell

Ernest R. Whitman

COMMITTEE ON SOCIAL AFFAIRS

Jesse L. Bullock, *Chairman*

Wallace W. Atwood, Jr.

H. Donaldson Jordan

COMMITTEE ON FRATERNITIES

Dwight E. Lee, *Chairman*

W. Elmer Ekblaw

Arthur F. Lucas

COMMITTEE ON PUBLICATIONS

Leroy A. Ames, *Chairman*

Heinrich M. Bosshard

Percy M. Roope

The University

THE LOCATION

Clark University is located in Worcester, Massachusetts, an industrial and educational center with a population of about two hundred thousand. It is approximately forty miles from Boston and from Providence, R. I., and two hundred miles from New York City.

GROUNDS AND BUILDINGS

The university campus is a tract of eight acres bounded by Main, Woodland, Maywood, and Downing Streets, about a mile and a quarter from the City Hall. Here the principal buildings are located. Besides this tract, the institution owns the athletic grounds between Maywood and Beaver Streets, the athletic field at the corner of Park Avenue and Beaver Street, the land on Woodland Street between Charlotte and Downing Streets, where Estabrook Hall is located, other property opposite the campus on Woodland Street, and the Hadwen Arboretum on Lovell Street. The residences of the president and of the dean of the college are on Woodland Street, opposite the campus.

ORGANIZATION

The UNIVERSITY includes:

THE UNDERGRADUATE DIVISION offering to men a general college course leading to the degree of Bachelor of Arts.

THE GRADUATE DIVISION offering advanced instruction leading to the degrees of Master of Arts and of Doctor of Philosophy.

THE GRADUATE SCHOOL OF GEOGRAPHY offering special training leading to higher degrees in geography.

THE SUMMER SCHOOL offering both undergraduate and graduate instruction with special reference to candidates for the degrees of Bachelor of Education and Master of Arts.

THE EXTENSION DIVISION offering courses at the university in the late afternoon, evenings and on Saturday, with special reference to the needs of candidates for the degree of Bachelor of Education.

THE LIBRARY with its separate endowment, offering unusual opportunities for study and research.

THE CLARK UNIVERSITY PRESS is associated with the university under the direction of a board of governors appointed by the trustees of the university. It is not a service department of the university, but a self-supporting enterprise engaged in the publication of scientific books and journals.

THE DEPARTMENTS at present offering courses of study are:

1. Ancient Languages and Literatures
2. Biology
3. Chemistry
4. Economics and Sociology
5. Education
6. English Language and Literature
7. Geography
8. Geology
9. German Language and Literature
10. History and International Relations
11. Physics and Mathematics
12. Psychology
13. Romance Languages and Literatures

Courses are also offered in the fields of Fine Arts and Music.

THE ACADEMIC YEAR

The academic year begins on the Monday before the fourth Thursday in September, and ends on Commencement Day, the thirty-eighth Monday (the first or second Monday in June). The first semester ends on the Saturday before the twentieth Monday and the second semester begins on the twentieth Monday of the academic year. There are three recesses during the college year: Thanksgiving Day and the two days following; two weeks including Christmas and New Year's Day; and the first full week in April. University exercises are suspended also on Washington's Birthday, and Memorial Day.

The summer school begins on a Monday near the first of July and continues in session for six weeks.

Students are expected to be present on the first day of each term and to continue in attendance from day to day to the end of the term.

ADMISSION

Three classes of students are admitted:

1. Undergraduates. For requirements see announcement of the Undergraduate Division.
2. Graduate students. For requirements see announcement of the Graduate Division.
3. Special students. (a) Mature persons, not candidates for a degree, who wish to take advantage of the opportunities for study afforded by the university, and who give satisfactory evidence of adequate preparation for the work which they wish to undertake. (b) Candidates for the degree of Bachelor of Education. For requirements see announcement of the Bachelor of Education degree.

Requests for information and for application forms should be addressed to the OFFICE OF THE UNIVERSITY, 950 MAIN STREET, WORCESTER, MASSACHUSETTS.

REGISTRATION

The first day of the academic year and of the summer session is devoted to the registration of programs of study. Registration for the second semester is required not later than the Wednesday before the beginning of final examinations in the first semester.

Failure to register at the time designated is penalized, in the case of undergraduates, by a charge of one dollar for each day's delay up to a maximum of five dollars.

TUITION AND FEES

TUITION

Tuition, undergraduate and graduate, is \$200 per year. In addition to the tuition the university collects from each undergraduate five dollars each semester for the support of "student activities," and five dollars each semester as a "gymnasium fee." Students, other than undergraduates, who enroll in fewer than four courses are charged at the rate of \$30 per course for a semester. A proportionate charge is made for fractional courses. Tuition is payable in two equal installments, due at the beginning of each semester. If the tuition is not paid within ten days after it is due the enrollment of the student lapses. A student whose enrollment has lapsed for non-payment of tuition may be re-enrolled, with the permission of the proper administrative officer on payment of the overdue tuition with an additional fee of \$2.

Tuition in the summer school is \$20 for a single course, \$35 for two or three courses (a normal program), and \$45 for four courses. Tuition may be paid at any time before the opening of the summer school, and must be paid by noon of the first Saturday of the term.

Tuition in extension courses (courses of college grade for adults) is \$8 for a course meeting one hour per week for one semester and \$15 for a course meeting two hours a week for one semester.

The following regulation was adopted by the trustees at a meeting held March 28, 1931.

"No refund of tuition and no release of obligation to pay tuition shall be made because of failure for any reason on the part of a student to complete the work of any semester after it is begun."

MATRICULATION FEE

A matriculation fee of \$5 is required of all students formally enrolled in Clark University. This fee is paid but once, and permits a student to return in successive years, or after a period of absence, without further charge for matriculation.

Students who register for the summer school pay the matriculation fee.

Persons enrolled as "auditors" are not required to matriculate.

Official statements of record are issued by the recorder of the university for matriculated students only.

LABORATORY FEES AND DEPOSITS

Laboratory fees are charged at the rate of \$5 each semester for undergraduate laboratory courses.

A deposit of \$10 for each course, to cover breakage, is required of students taking undergraduate laboratory work in chemistry. The department notifies the bursar at the end of the year of the total charges against the student for breakage, and any balance remaining is returned. If the deposit is not sufficient to cover the breakage charges, any excess is collected by the bursar.

Graduate students taking undergraduate courses pay the same fees and deposits as undergraduates.

A deposit of \$25 is required of each graduate student in the department of chemistry, at the beginning of the year. Ordinary supplies and materials are charged to the student's account at cost. Any balance remaining is refunded at the end of the year.

Laboratory fees and deposits for breakage are due at the time of registration for the courses.

PUBLICATION FEES

Publication fees, \$10 for the Master of Arts thesis and \$15 for the Doctor of Philosophy dissertation, are due when applications for admission to candidacy are filed.

DIPLOMA FEES

Diploma fees are charged according to the following schedule:

\$5, for the Bachelor of Arts or the Bachelor of Education diploma, due at the beginning of the second semester of the year in which the candidate expects to receive the degree.

\$10, for the Master of Arts diploma, due when application for admission to candidacy is filed.

\$25, for the Doctor of Philosophy diploma, due when application for admission to candidacy is filed.

DINING HALL AND DORMITORY

Board at the dining hall is furnished at a reasonable rate which has varied from year to year. During the current year the charge is \$7.50 per week, with *no refunds for absences except in cases of protracted illness.*

Undergraduates who do not live in their own homes are required to board at the dining hall.

Estabrook Hall, the undergraduate dormitory completed in 1924, provides accommodations for about fifty students. Two students in a suite of two rooms are charged \$150 each; two in one room, \$115 each except on the mezzanine floor where the charge is \$135 for each student. Dormitory room rent is payable either in advance or one-fifth at the beginning of each semester and one-tenth on the first day of November, December, January, March, April and May. Each student is required to deposit \$25 before occupying a room. This deposit is returned, less a charge for lights and any charges for damages to the room or its furnishings, when the key to the room is surrendered to the Bursar.

Freshmen not living in their own homes are required to room in Estabrook Hall.

Rooms are assigned to freshmen in order of application, when the application is accompanied by the deposit of \$25. Students who indicate a desire to room together will be accommodated whenever possible. Rooms not required for freshmen may be rented by upper classmen or by graduate students.

The university has dormitory accommodations in the "Faculty House" for a small number of graduate students.

OTHER EXPENSES

Students will find that the necessary expenses of living in Worcester are comparable with similar costs in any large city. The total is largely dependent upon the individual's habits and tastes.

Lodgings may be secured at a reasonable cost in private houses within convenient distance from the campus.

The cost of books varies with the programs of study. The University maintains a bookstore where textbooks and supplies may be procured.

FELLOWSHIPS, SCHOLARSHIPS AND LOANS

Fellowships, scholarships and loans or other grants for graduate students are available as stated in the announcement of the graduate division.

Undergraduate scholarships and loans or other grants are available as stated in the announcement of the undergraduate division.

HEALTH AND PHYSICAL TRAINING

The medical director, Doctor Michael B. Fox, exercises general supervision over matters of health and hygiene in the University. For undergraduates a thorough medical examination is required at the beginning and end of each year.

The medical director is available during the academic year for conferences and medical advice. It is intended that his services shall be primarily of a preventive nature. The university does not conduct an infirmary and does not undertake to care for cases of illness requiring medical attention or hospital accommodations, although it will co-operate in every possible way in meeting such emergencies.

The director of physical education has supervision over all required physical training and other athletic activities. In the matter of intercollegiate contests he is assisted by the committee on athletics.

The new gymnasium building was completed during 1937-38.

The Library

EDITH M. BAKER, *Acting Librarian*
HELEN J. ELLIOT, *Cataloguer*

Assistants

DOROTHY M. DICKINSON
MARION HENDERSON

EDITH L. SAWYER
MARJORIE WHITNEY

Student Assistants

JOHN S. HEBBARD

R. R. GOODWIN

The library, under the terms of Mr. Clark's will, received one quarter of his estate for the "support and maintenance of a university library." Thus the library is well endowed and is able to provide amply for the needs of all departments. It contains over 160,000 bound volumes and pamphlets, and the reading room receives about 582 journals.

A new stack room in the form of a tower has been added to the library, which should provide for fifty years growth.

Particular attention is paid to the needs of students engaged in research work. The library already possesses a good collection of complete sets of the best scientific periodicals. It makes liberal purchases for individual needs and supplements these by drawing upon the resources of the older and larger libraries through the inter-library loan system. The number of books added each year is about 3,000 volumes.

The books in the art department are accessible on application to the librarian, but, by the terms of the founder's will, they *cannot* be taken from the building.

All regular privileges of the library are open to all members of the university.

Tuesday and Friday mornings, each week, all books recently added to the library are placed upon a table in the reference section, where they remain for three days. This affords the members of the university an opportunity to examine the new books in all departments before they are placed upon the shelves for circulation.

The library is open from 8 a. m. to 10 p. m. each week day (except on legal holidays), during the regular sessions of the university. During the summer school session the library is open from 8 a. m. to 6 p. m.

ART DEPARTMENT

In his last will and testament the founder of the University bequeathed

"the sum of \$100,000, as an endowment fund for the art department of said university, and said sum is to be held and kept sacred and intact as a principal not to be used or expended under any conditions; but the income, interest or proceeds thereof shall be used only in putting and keeping said works of art or others given or obtained for said department in good condition and in taking care of them; and then if there is a surplus of the income of said fund, I will and direct that it be used in the purchase of additional works of art or of such matters as will add to the usefulness and efficiency of said art department."

Under these conditions a large room has been furnished and equipped on the upper floor of the library building. Upon the death of Mrs. Clark, those works of art of the founder's collection which were deemed most suitable for this purpose were arranged and displayed in this room, together with his most valuable books, which by the conditions of the will cannot be removed from the building. A complete catalogue of these books and paintings has been published in the *Publication of the Library*, Vol. 2, No. 1.

The most recent addition to the collection is a portrait of Louis N. Wilson, librarian of Clark University from 1889 to 1929, by Leopold Seyffert of New York.

The art department is open daily (except Sundays and holidays) from 9 a. m. to 5 p. m.

The Undergraduate Division

"CLARK COLLEGE"

The college offers a general program leading to the degree of Bachelor of Arts. Distinctly vocational or professional programs are not offered.

When the college was established in 1902, a three-year course was adopted as the normal one for the baccalaureate degree. This innovation was due to the emphasis placed upon a three-year course in the will of the founder, based on a conviction that properly prepared students could secure in three years, under favorable conditions, a training essentially equivalent to that ordinarily obtained in a four-year college course. Increasing pressure, both for the admission of high school graduates who could not qualify for the three-year course and for a larger development of extra-curricular activities, led ultimately to the abandonment of the original plan. Beginning with the class which entered in September, 1922, a four-year course became the normal one leading to the degree of Bachelor of Arts. The opportunity to complete the course in three years is still open, as in other colleges, to well prepared and serious students. Only a small number avail themselves of this opportunity.

EXPENSES

A student in the college who lives at the dormitory and takes his meals at the dining hall will find that his necessary expenses for the college year amount to about \$650, exclusive of such variable items as cost of travel, clothing and laundry, recreation, etc.

This expense is distributed as follows:

Matriculation (first year only)	\$5.00
Tuition	200.00
Room rent	115.00-150.00
Board (34 weeks at \$7.50)	255.00
Activity fee	10.00
Gymnasium fee	10.00
Laboratory fees (estimated)	10.00
Books and supplies (estimated)	25.00
Total	\$625.00-665.00

A room deposit of \$25 is required of students who room in the dormitory and a breakage deposit of \$10 is required for each labora-

tory course in chemistry. The balance of these deposits, after deducting any charges against them, are returned at the end of the college year.

A more detailed statement in regard to fees and expenses will be found under the heading TUITION AND FEES.

SCHOLARSHIPS AND STUDENT AID

THE JONAS G. CLARK SCHOLARSHIPS established by the trustees in January, 1925, provide scholarships of the value of one hundred dollars each to fifty undergraduates.* Twenty of these scholarships are reserved for applicants for admission to the freshman class who rank in the upper quarter of their graduating classes in preparatory schools, eight of them being for graduates of the high schools of Worcester. Of the remaining thirty scholarships, ten are reserved for each of the three upper classes, for students who rank in the upper quarter of each class.

These grants are for the encouragement of high grade scholarship. In conformity with this purpose they are subject to the following conditions: (1) one-half the value of the scholarship is deducted from the term bill of the holder at the beginning of each semester; (2) a scholarship is automatically forfeited for the second semester if the holder fails to maintain a rank in the upper half of his class during the first semester.

THE SANFORD MEMORIAL SCHOLARSHIP FUND, established by alumni of the university, provides an annual scholarship, amounting at present to \$200, for a student in the college.

THE LIVERMORE AND AMBULANCE SCHOLARSHIP was endowed by citizens of Worcester in honor of Charles Randall Livermore, the first Clark man to fall in battle in the World War, and of his companions in the Clark Unit of Ambulance Drivers. Fifty dollars or more is offered annually, to be awarded on the basis of academic success, character, and usefulness to the college. The scholarship is open to students who are residents of Worcester County.

THE HENRY A. WILLIS FUND provides scholarships for students from Fitchburg, Massachusetts, and vicinity. In the absence of suitable candidates from this community grants may be made to others.

*Thirty additional scholarships have been offered in recent years to entering freshmen as a contribution by the University toward the alleviation of the existing conditions of widespread unemployment and reduced incomes.

THE B'NAI BRITH SCHOLARSHIP, provided by the Worcester chapter, Order of B'nai Brith, is primarily but not exclusively for the aid of Jewish students.

THE PROBUS CLUB OF WORCESTER offers a half tuition scholarship of one hundred dollars.

THE CLARK UNIVERSITY FACULTY WOMEN'S CLUB offers a \$100 scholarship to an applicant who ranks high in intellectual and personal qualities. The club is assisted by alumnae and wives of alumni. Application should be addressed to *The Chairman, Scholarship Committee, Clark University Faculty Women's Club.*

Applications for undergraduate scholarships should be filed at an early date on blanks which may be secured at the general office. Awards are made by the College Board.

The board expressly reserves the right to award fewer than the full number of scholarships in any year if for any reason this seems advisable.

Aid given in the form of scholarships is not regarded as a loan. It is recognized, however, that those who receive such aid may wish to return the amount in later years. *Any sums received from this source will be added to the ALUMNI LOAN FUND of the College.*

LOAN FUNDS

THE ALUMNI LOAN FUND is a permanent revolving fund established by the trustees and the alumni. To this has been added a fund of about \$500 contributed by L. Kelly Foster, C. B. L. Kelley, Isadore Lubin, H. M. Smith, and others.

THE ESTABROOK LOAN FUND was created by the generosity of the late Arthur F. Estabrook of the board of trustees.

Loans from these funds are made to undergraduates by the dean of the college in coöperation with the Alumni Committee on Loans.

THE SARAH M. THURBER LOAN FUND was established through the generosity of Dr. Charles H. Thurber, president of the Board of Trustees, as a memorial to his mother. The fund is administered by the president of the university.

Loans are covered by endorsed notes payable at a fixed date and bear interest at the rate of 6 per cent per year. Interest received from loans is in all cases added to the fund from which the loan was made.

ADMISSION

Every admission is an "admission on trial" to the actual work at the college. The university reserves the right to require the withdrawal at any time of any student whose record in either conduct or scholarship fails to meet the expectations implied by his admission.

Application blanks, as well as official transcripts of preparatory school records and certificates of character should be sent directly to the college by the school officials who sign them.

Special students are not admitted to the college. They may be admitted to the university on the recommendation of a department and under the supervision of the Committee on Extension Courses and Special Students.

ADMISSION TO THE FRESHMAN CLASS

Satisfactory references as to character and the completion of a four-year high school course or its equivalent, including fifteen units of credit in acceptable subjects, are required for admission to the freshman class. A statement of "quality requirements" will be found in the following section.

The term "unit" is understood to mean approximately one quarter of a pupil's normal program of work for the school year.

The "fifteen units of credit in acceptable subjects" must include the "required subjects," 5 units; not less than seven units from the "restricted electives"; and not more than three units from "free electives."

A normal preparatory program will include:

Required subjects, 5 units

English, 3 units (4 years)

*Mathematics, 2 units (Algebra and Geometry)

Restricted electives, 7 or more units (see note 1) chosen from

Foreign language, 2, 3 or 4 units (see note 2)

Social sciences, 2 or 3 units (see note 3)

Natural sciences, 2 or 3 units (see note 4)

Mathematics, 1 or 2 units (in addition to required units)

*Candidates expecting to specialize in science are advised to present at least 3 units of mathematics.

Free electives, not more than 3 units, at the discretion of the committee on admissions, in "commercial subjects" or other subjects recognized by the preparatory school in its regular program leading to graduation.

NOTE 1. Each of the first three groups of subjects under "restricted electives" must be continued in college.

NOTE 2. The college does not recognize less than 2 units in any foreign language.

NOTE 3. History, Government, Civics, Economics, etc.

NOTE 4. Physics, Chemistry, Biology, etc.

An applicant for admission to the freshman class should supply, on blanks furnished by the college:

1. A signed application for admission which should be forwarded by the principal of the school in which the applicant has prepared for college, after the "Personality Rating Scale" has been completed by a responsible officer of the school. This application should be filed with the Dean at the earliest practicable date.
2. A complete statement of his preparatory school record and of the subjects in which he can be "certified." This should be mailed to the dean by an officer of the school, preferably immediately after the end of the first half of the senior year. *Records received at this time will be returned to the school for final "certification" at the end of the year.* (See statement below in regard to certification.)
3. Records of any entrance examinations which he may have taken and of any action by any other college in respect to admission.

QUALITY REQUIREMENTS

Applicants whose references are satisfactory and who are "certified" in fifteen acceptable units from approved schools will be admitted without conditions.

Applicants who present fourteen "certified" units and one "pass" unit may be admitted with *one condition* (see below); those with thirteen "certified" units and two "pass" units may be admitted with *two conditions*. No applicants will be admitted without at least thirteen acceptable units of "certified" credit. A satisfactory record in examinations of the College Entrance Examination Board will be accepted as equivalent to "certification" in any subject.

Certificates are accepted from schools on the list of the New England College Entrance Certificate Board. Schools located in New England but not on this list may apply for "specimen" certification privileges to the secretary of the board, Dean Frank W. Nicolson, Wesleyan University, Middletown, Connecticut.

A certificate from a school, not on the list approved by the board, can be considered only when the school lies outside of the jurisdiction of the board. In such cases "certification" will be interpreted in the spirit of the regulations of the board. It will be assumed that the school is willing to be judged, in respect to continued "certification" privilege, on the basis of the college records of the candidates in subjects which are "certified."

ENTRANCE EXAMINATIONS

Applicants who cannot present at least thirteen "certified" units should arrange in consultation with the dean of the college to take "College Board" examinations in June. Information concerning these examinations may be obtained from school officers or by addressing the College Entrance Examination Board at 431 West 117th St., New York City. Applications for examinations must be received by the board before the end of May.

Those who make a satisfactory record in designated examinations may be admitted to the college with or without conditions. The college will determine in each case what constitutes a satisfactory record in the examinations.

A final opportunity to qualify for admission by examination is offered at the college immediately before the opening of the academic year in September. These examinations are provided by the College Entrance Examination Board, and are intended to supplement those held in June. Admission to these examinations is by special permission in each case. A fee of \$5 is charged by the college for a single examination, with an additional fee of \$3 for each additional subject.

ADMISSION WITH CONDITIONS

Applicants who present fifteen "pass" units in acceptable subjects but who are not "certified" in one or, at most, two units, may be admitted with one or with two conditions respectively. Applicants whose shortage in "certified" units is more than two have an opportunity to qualify for admission, with or without conditions, by satisfactory records in "College Board" examinations.

Conditions may be in specified subjects, or may be general, in the latter case indicating some deficiency in the high school course as a whole. All conditions are terminated at the beginning of the sophomore year either by removal in the manner specified below or by additions to the requirements for graduation.

Conditions are removed if at the end of the freshman year the conditioned student has met the normal scholarship requirements for regular standing, namely, no failures and grades above D+ in three fourths of the total credit earned at that date. Conditions may also be removed by satisfactory records in "College Board" examinations covering the conditioned subjects in June or September following the freshman year.

Applications for examinations in September, for the removal of conditions, should be filed with the recorder not later than the first of July preceding the date of the examinations. The fee for examination must be paid when applications are filed.

Each condition not removed at the beginning of the sophomore year will be replaced by an additional requirement for graduation amounting to one half-course.

ADMISSION TO ADVANCED STANDING

A student who wishes to enter the college after having been enrolled in another institution of college grade is required to submit a letter of honorable dismissal, a complete transcript of his record at the institution last attended and such other information as the Committee on Admissions may request. If he is admitted he will be provisionally assigned to the freshman, sophomore, junior, or senior class and will be permitted to register for a suitable program. He will not be given a final class rating until he has been in residence for at least one semester. After a semester in residence he will be given conditional credit for the work done elsewhere to an amount determined by vote of the College Board, on the recommendation of the recorder and the departments concerned.

The bachelor's degree will not be conferred upon a student until he has spent at least a year in residence at Clark University, and usually not unless the period of residence includes the two semesters immediately preceding the granting of the degree.

FACULTY ADVISERS

When a student is admitted to the college he is assigned to a member of the faculty who will act as his adviser. The adviser will

APPLICATION FOR ADMISSION

Correspondence regarding admission to the college should be addressed to the Dean of the College.

Scholastic ability, character and good health are the chief bases for the selection of those who are admitted.

Applications should be filed at as early a date as is possible, preferably not later than March 1, of the year in which the applicant plans to enter Clark University. *No application received after August 1 can be promised consideration for the ensuing academic year.*

The detachable form below may be conveniently used in applying for admission.

CLARK UNIVERSITY

APPLICATION FOR ADMISSION TO THE COLLEGE

Name.....
(Last name) (First name) (Middle name)

Home address.....
.....

Name of parent or guardian.....

Address (if different from applicant's).....

Schools attended during past four years

Dates of attendance

.....
.....
.....
.....

Check method of admission (✓): Examination.....; certificate.....; both.....

Date of application.....19..... Year of proposed entrance.....

assist the student in making up his program of studies for registration and will be ready at all times to afford him help and counsel, either in regard to problems of college life or other matters. The student should consult with his adviser as soon as possible after the opening of the college year in order to outline his program of studies.

REGISTRATION

The freshman class assembles at the college on Friday before the opening of the academic year and spends Friday and Saturday in becoming acquainted with the college, and in completing certain preliminary exercises.

Registration days are the first day of the academic year and three days preceding the examination period at the end of the first semester. Failure to register on or before these days involves a charge of \$1 for each day's delay up to a maximum of \$5.

A student's record of attendance begins with the first day of the semester. No credit for attendance is given until registration is completed. In cases of delayed registration unexcused absences are recorded for all scheduled meetings of courses unless excuses acceptable to the College Board are presented.

During the first week of any semester changes of courses may be made for sufficient reason with the written approval of the student's adviser and the instructors concerned. After the first week of any semester no changes may be made except such as are authorized by special vote of the College Board.

Freshmen may register for programs of either five or six courses in the first semester. In subsequent semesters programs of six courses are restricted to students whose average grade in all courses for the preceding semester has been C+ or better, except in the case of seniors. A senior whose graduation at the end of the year depends upon the completion of a program of six courses may register for such a program in either semester if his average grade for the preceding semester has been C- or better.

The election of a *major subject* is required as part of registration at the beginning of a student's second year in college. This election when once recorded may be changed only with the approval of the dean. Although the *major subject* is not officially regarded as fixed until the student's second year in college, he should plan his course as definitely as possible from the beginning with his probable choice in view.

STUDENT PROGRAMS

The curriculum permits considerable freedom of adjustment to individual differences of interest. Each student's program of studies includes a group of courses constituting a *major*, together with required courses in English and in fine arts or literature, and certain courses chosen under regulations intended to insure a reasonable distribution of work among the various departments. A large part of each program is made up of courses chosen without restriction.

For statements as to what particular courses may be combined to form a *major* the announcements of the different departments should be consulted.

Regular students normally carry programs of five courses in addition to the required work in physical training. In general it is expected that a course meeting three times weekly will require two hours of preparation for each lecture or recitation. Laboratory periods are usually three hours in length.

A student carrying the regular program should expect his college work to require from forty-five to fifty hours of his time per week, in addition to the work in physical training.

Candidates for the bachelor's degree in less than four years will generally carry programs of six courses and should expect to spend practically their entire time on their college work.

The subjects in which instruction is offered, excepting Fine Arts and Music, are grouped in three divisions:

DIVISION A

Biology, Chemistry, Experimental Psychology, Geology, Mathematics, Meteorology, Physics, Physiology.

DIVISION B

Economics, Education, Geography, History, International Relations, Psychology, Sociology.

DIVISION C

Ancient Languages, English, German, Romance Languages.

First year students must make up their programs entirely from courses designated as "Open to Freshmen."

The program for the freshman year must include:

1. English 11.
2. A course in foreign language.

3. A course in division A.

4. A course in division B.

5. An elective. (Mathematics 10 or 11 for students intending to major in division A.)

Second year students should, as a rule, continue work in foreign language, and complete the requirements listed under 4 below, with the exception of the *major*.

Any first year requirements which have not been completed must be included in the program of courses for the second year.

Undergraduates, other than freshmen, may enter any course listed "primarily for undergraduates," for which, in the judgment of the instructor in charge, they are prepared. Seniors and juniors who have completed the published prerequisites are admitted, at the discretion of the instructor in charge, to courses listed "for graduate students and advanced undergraduates." Undergraduates are not admitted to courses "primarily for graduate students" except in rare cases, and then only by special vote of the College Board and the approval of the secretary of the Graduate Board.

Regular gymnasium exercise is required of all students for the general promotion of their health and mental efficiency. This is scheduled at times which avoid conflict with recitation hours. *Students may be excused from this requirement only on the recommendation of the college physician.*

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

All college regulations involving a quantitative statement of "credit" are expressed in terms of "courses."

A "course" as a unit of credit implies, normally, three or four class meetings or laboratory exercises per week throughout the academic year, i.e., one-fifth of a student's normal program. Where departments offer fractional courses, these will be combined in reckoning a student's total credit in courses.

Students who satisfy all of the following requirements will be recommended for the degree of Bachelor of Arts unless in the judgment of the College Board there is cause for withholding this recommendation.

1. Not less than three academic years of college study in residence. At least one full year and usually the last year before the degree is conferred must be spent at Clark University.

2. The completion of twenty "courses" (in addition to the re-

quired work in physical training) with satisfactory scholarship record.

3. The satisfactory completion of three years of physical training, two hours per week.

4. The satisfactory completion of the following requirements in specified subjects and fields of study.

- a. A *major* of seven courses, four or five of which must be in a "major department." The remaining two or three courses must be taken in subjects related to the major subject. The entire group of seven courses must be approved by the major department as constituting a satisfactory *major*.

Mathematics is a requirement in the freshman year for students who intend to major in division A. This course may be included in the *major* of seven courses.

Elementary Greek or Latin is a requirement in the freshman year for students who expect to major in division C, unless at least two units of one of these languages has been accepted for admission. This course may be included in the *major* of seven courses.

- b. *English*. (i) English 11, or its equivalent; a requirement in the freshman year for all students.

(ii) Satisfactory proficiency in the use of English, certified by a faculty committee appointed for this purpose; a requirement for all students before the degree of Bachelor of Arts is conferred.

- c. *Art, Music and Literature*. One course, or two half courses, chosen from the following list:

Art 10 and 11

English 15 and 111

French 113 and 114

German 14 (or 141), 17, and 142

Greek 17

Music 12 and 13a

- d. *Foreign language*. (1) One course in foreign language, required in the freshman year for all students.

(2) One course in a foreign language at or beyond the level of third year college courses in that language; a requirement for all students before the degree of Bachelor of Arts is conferred. This requirement may be met by the course required in the freshman year.

- e. *Division A.* Two courses, one of which must be a "laboratory course"; or one "laboratory course" and two half courses.

This requirement is reduced to one "laboratory course" in the case of students whose admission record includes credit for four units in science (not including mathematics).

Courses in the history of the sciences may not be counted toward the fulfilment of this requirement.

- f. *Division B.* Two courses, or the equivalent in half courses.

GRADING AND SCHOLARSHIP

Courses with grades of D+, D or D- may be counted toward the A.B. degree only up to a maximum of one quarter of total credit required; i.e. not more than five (5) such courses, or their equivalent in fractional courses, may be counted. If some of the twenty courses required for the degree are not graded, then the maximum credit which may be counted with grades of D+, D or D- is limited to one quarter of the total credit from all courses in which grades are given.

CLASSIFICATION OF STUDENTS

Students are classified as freshmen, sophomores, juniors and seniors on the basis of the amount of credit toward the A.B. degree shown by their records at the beginning of each academic year.

A student who at the beginning of any academic year, has credit of less than two and one half courses is classified as a *freshman* for that year.

A student who, at the beginning of any academic year, has credit of two and one half courses or more, but less than eight courses is classified as a *sophomore* for that year.

A student who, at the beginning of any academic year, has credit of eight courses or more but less than fourteen courses is classified as a *junior* for that year.

A student who, at the beginning of any academic year, has credit of fourteen courses or more is classified as a *senior* for that year.

A student who has announced his intention of becoming a candidate for the degree of Bachelor of Arts in three years and who, at the beginning of his third year has completed not less than two thirds of the twenty courses required for graduation is classified as a *senior* for that year.

Any student who, at the beginning of the second semester, is clearly in a position to complete the requirements for the degree

before the beginning of the next academic year is classified as a *senior* for the second semester.

GENERAL HONORS

First honors and *second honors* are awarded annually to those members of each class who have, in the judgment of the College Board, distinguished themselves by their scholarship during the year.

The bachelor's degree is awarded *with honor*, *with high honor*, and *with highest honor* to those members of each graduating class whose records warrant this distinction.

DEPARTMENTAL HONORS

"Honors programs" leading to the degree of *Bachelor of Arts with honors in a particular department* may be undertaken by members of the junior class whose cumulative scholarship averages place them among the highest third of their class. This plan permits an able and ambitious student to organize the work of his junior and senior years into a unified individual program including a certain number of "honors courses," i.e. undertakings which lie outside regular course offerings, and in which the student works with a considerable measure of independence under the general supervision of his "honors adviser."

A candidate for honors in a particular department may file a formal application, in writing, with his major department *not later than the first day of May* in his sophomore year. If the application is favorably endorsed by the department concerned, it comes before the College Board for final action after the sophomore year has been completed. The College Board may at its discretion consider later applications and may admit a student to honors work as late as the end of the first semester of his junior year.

When an applicant has been provisionally accepted by a department for an honors program, he is assigned to a member of the department who acts as "honors adviser." The adviser has supervision of all matters pertaining to the honors program. A program for the student's junior and senior years is prepared in consultation with the adviser. This program may involve independent supervised study replacing work in regular classes to the equivalent of two full "courses." This program is filed with the recorder when the student registers for his first semester as an "honors student."

Admission to candidacy for departmental honors does not relieve a student from any of the standing regulations of the college except as specifically here stated. A candidate for departmental honors will receive the degree of Bachelor of Arts *with honors in his major subject* if he completes the general requirements of the college and in addition thereto:

- (a) Maintains a scholarship average satisfactory to his major department and to the College Board.
- (b) Completes satisfactorily the program of regular course work and of independent supervised study referred to above.
- (c) Makes a satisfactory record in a comprehensive examination in the field of his major subject.
- (d) Is recommended for departmental honors by his major department and by the College Board.

The comprehensive examination requires not less than two nor more than three regular three-hour examination periods or their equivalent. At least three hours of this total is devoted to a written examination. The comprehensive examination, with the possible exception of laboratory tests, is given between the spring vacation and May 15 of the candidate's senior year. An honors candidate who has passed the comprehensive examination may, at the discretion of his major department, be excused from some or all of the final examinations *in the courses in his major subject*.

A student's candidacy for honors and all privileges connected with it may be terminated by the College Board at the end of any semester. In such an event the amount of credit to be allowed for work done by the student outside of regular courses is determined by the College Board in consultation with the department.

SCHOLARSHIP SOCIETY

The Clark Scholarship Society was organized in 1914. Its object is, "to maintain a high and broad conception of scholarship; to encourage devotion to scholarship, so conceived; to promote a close relation for mutual benefit between the undergraduate members and the faculty members of the society." Membership in the society is open to members of the faculty. New student members are elected at the end of the junior year from the men of high standing in the junior class. Nominations are made by the College Board and the undergraduate members of the society elect from the men so nominated. Additional nominations are made at the middle and end of the senior year.

ELIGIBILITY FOR EXTRA-CURRICULAR ACTIVITIES

Participation in extra-curricular activities is denied only to those students whose scholarship records indicate that further encroachment upon their time and attention may interfere with the completion of their course of study.

A student is "eligible" for the following half semester if at the end of any half semester he is meeting either of the following conditions:

- (a) "Passed" in all courses and graded above D+ in at least one course.
- (b) "Passed" in all but one course, and graded above D+ in at least two courses.

Students carrying less than a full program of studies are ineligible, except in the case of seniors whose programs are adequate to insure their graduation at the end of the academic year.

Students admitted with advanced standing from another college are "ineligible" for the first half-semester of residence at Clark University. Special students are "ineligible."

ABSENCES

Regulations applying to absences from scheduled class meetings and laboratory exercises are based upon the conviction that such absences, regardless of their cause, involve a loss to the student and a drag upon the class. Students are, accordingly, expected to be consistently regular in attendance. Subject to this general provision, students are given a considerable degree of freedom in the control of their attendance. It is expected that such freedom will not be abused, and that it will contribute to the growth of each student's sense of responsibility.

Detailed regulations in harmony with the foregoing principles are posted on the official bulletin board for the guidance of students. They are also published in the Students' Handbook, issued annually by the Clark Christian Association. Students are expected to familiarize themselves with these regulations.

Sophomores, juniors, and seniors who attain an average of B- or better in any semester are exempt from all regulations relating to attendance at class meetings or laboratory exercises. They are, of course, responsible for all subject matter presented in class and for all laboratory exercises from which they may absent themselves. Such students are *not* exempted from regulations relating to attendance at the weekly assembly or physical training.

STUDENT LIFE

It has always been the policy of the university to give to its students the greatest possible individual liberty of action. It is assumed that each student will conform to the recognized standards of morality, good order, and gentlemanly conduct, that he will not absent himself unnecessarily from university exercises at which he is due, and that he will give his serious and constant attention to his work as a student.

Undergraduate organizations are under such control as will insure proper caution and recognition of responsibility in business dealings.

The general supervision of intercollegiate athletics is committed to the Athletic Board consisting of the director of physical training, the Committee on Athletics of the College Board, two alumni elected by the Alumni Association, and nine student members. The actions of the Athletic Board are subject to review and veto by the Committee on Athletics.

The non-athletic activities are supervised by the Student-Faculty Council.

Opportunity for relaxation and the meeting of students and faculty on a basis of general sociability is provided by the various clubs in which both students and faculty participate.

Student activities include a glee club and orchestra which give a series of concerts in Worcester and elsewhere during the winter; a debating society whose members have made an enviable record for the University in intercollegiate debates; the Gryphon, a senior honor society, and other organizations.

The Clark University Players is an active student organization which presents a number of plays each year under the direction of the Department of English.

The Clark News, a weekly undergraduate publication, and the *Pasticcio*, the college annual, are published by the students.

The Graduate Division

GENERAL INFORMATION

Admission to the graduate division is open to properly qualified persons, both men and women.

Instruction and opportunities for original research leading to the degrees of Master of Arts and Doctor of Philosophy are offered by the following departments:

- Biology
- Chemistry
- Economics and Sociology
- Geography
- History and International Relations
- Physics
- Psychology

The department of education offers the degree of "Master of Arts in Education."

Other departments offer courses of an advanced nature which, with the consent of the Graduate Board, may be included in the programs of graduate students, but are not prepared at present to offer complete programs leading to the higher degrees.

A detailed statement regarding tuition and other fees will be found in the general section of this catalog under the heading THE UNIVERSITY.

LIBRARY FACILITIES

In addition to the library facilities provided by the university students may avail themselves of the privileges of several other excellent libraries in the city. The Worcester Public Library contains some 333,000 volumes and makes accessible to the public about 500 newspapers and magazines. The library of the American Antiquarian Society, housed in the national headquarters of the society in Worcester, contains about 136,000 volumes and some 202,000 pamphlets. The library of the Worcester District Medical Society is also at the disposal of members of the university.

ADMISSION TO THE GRADUATE SCHOOL

Eligibility. Admission is granted only by the Graduate Board on recommendation of a department. A graduate of more than average ability from a college or university which was on the approved list of the Association of American Universities at the time his bachelor's degree was obtained is eligible for admission as a *regular graduate student*. A graduate of superior attainments from a four-year college not on the list, is normally eligible for admission only as a *special graduate student* for a specified period, not exceeding one academic year. A special graduate student may be admitted by the Graduate Board to regular graduate standing after a semester, or its equivalent, of study in residence and upon the recommendation of his major department.

Application. A prospective applicant should communicate with the department in which he expects to do his major work. If he is encouraged to make application by the department, he will receive the application blanks for admission and should submit them to the chairman of the department with an official transcript of undergraduate work, two letters of recommendation from persons in a position to speak frankly of his qualifications, and a recent photograph (passport size preferred). A photograph is not required of those who have had a personal interview with members of the staff. Any other pertinent information, including published or unpublished theses or other writings, may accompany the application. For most favorable consideration, applications for appointments for the succeeding year should be in the hands of the chairmen of the respective departments by March 1st.

Admission. In granting admission, the Graduate Board may, with the advice of the department, prescribe a minimum period of residence never less than one year, and other definite requirements, including courses in particular subjects, as prerequisites for a graduate degree. Admission to the graduate school does not in any way imply admission to candidacy for a degree. Admission to the graduate school is granted for entry only at the specified time, and lapses if the student fails to enter at that time. If, after an applicant has entered as a regular student, his period of graduate study is broken by more than a year, he must make formal application for re-instatement.

Undergraduates and non-graduate special students in graduate courses. Admission of other than regular or special graduate students to a course "Primarily for Graduate Students" may be

authorized by the Secretary of the Graduate Board on formal recommendation in each case by the department in which the course is offered.

SCHOLARSHIPS AND FELLOWSHIPS

The university awards annually a number of scholarships and fellowships yielding tuition or tuition and additional stipends.

GENERAL REGULATIONS

1. Scholarships and fellowships (except honorary appointments) are for prospective candidates for the degrees of Master of Arts and Doctor of Philosophy in this university.
2. All applications for fellowships and scholarships shall be presented to the chairman of the Credentials Committee accompanied by an official transcript of record, letters of recommendation, a photograph, and endorsed with the department's recommendation. Applications when complete and properly endorsed will be considered by the Committee on Credentials for recommendation to the Graduate Board. According to an agreement of the Association of American Universities, the elections of fellows and scholars will be communicated on April 1st, but not before, to each member of the Association of American Universities and to each successful candidate.
3. An appointment will become effective when an acceptance in writing is filed with the secretary of the Graduate Board within fifteen days of the date of notification.
4. Scholarships or fellowships are not transferable from one department to another except with the approval of the Graduate Board.
5. A scholar or fellow may not engage during the term of appointment in any occupation that may interfere with his duties as a full-time graduate student unless he obtains permission from the Graduate Board to do so.

SCHOLARSHIPS

Scholarships may be awarded to students of high rank who may be expected to fulfill the requirements for the master's degree in the normal time. These scholarships are valued at from \$100 to \$400 including tuition.

FELLOWSHIPS

Fellowships valued at \$200 to \$400, which are equivalent to tuition alone or to tuition and an additional stipend up to \$200, may be awarded to competent, full-time, regular graduate students who have completed an amount of graduate work equivalent to the requirements for the Master of Arts degree. Fellowships valued at \$200 to \$500, equivalent to tuition alone or to tuition and an additional stipend up to \$300, may be awarded to competent graduate students who give promise of completing their work for the degree of Doctor of Philosophy by the end of the academic year for which the appointments are made.

Some of these fellowships will be designated as *research fellowships* or *teaching fellowships*, with the consent of the applicant and on the recommendation of the department, in cases where research or teaching assistance in the department is to be a duty of the fellow. Where the research or teaching duties in such fellowship or in an assistantship would prevent a scholar or fellow from carrying a full program of studies during the academic year, he may nevertheless qualify for full-time credit for the year through an adequate summer program of research or reading directed by the major department and approved by the Graduate Board.

HONORARY FELLOWSHIPS

Distinguished visitors may be appointed honorary fellows for specified periods at the discretion of the Graduate Board. Such appointments entitle their holders to all university privileges and carry freedom from tuition charges.

STUDENT AID

Student aid is available from the following funds, with the restrictions noted.

A CITIZEN'S FUND, the income of which is to be used for the aid of "some one or more worthy native born citizens of the City of Worcester who may desire to avail themselves of the advantages of the institution." The benefits of this fund are available to graduate students only.

THE JOHN WHITE FIELD FUND, the income of which is "to provide for the minor needs of a scholar or fellow," has been established by Mrs. Eliza W. Field. The fund amounts to five hundred dollars.

THE ELIZA D. DODGE FUND is a sum of one thousand dollars, the income only of which is to be expended to aid graduate students of limited means engaged in research work.

LOAN FUNDS

THE SARAH M. THURBER FUND. This fund has been established through the generosity of Dr. Charles H. Thurber, President of the Board of Trustees, as a memorial to his mother. The fund is administered by the president of the university. Loans from this fund bear interest at the rate of 6 per cent per annum.

ALUMNI LOAN FUNDS. Loans from these funds are available on suitably endorsed notes. Applications require the approval of the student's major department, the Committee on Credentials of the Graduate Board, and the chairman of the Alumni Loan Fund Committee.

RULES AND REGULATIONS

LANGUAGE REQUIREMENTS

Requirement in English. A student who wishes to become a candidate for a higher degree during his first year of residence may be required to come before the Committee on Language Examinations before admission to candidacy, for a test of the adequacy of his knowledge of English in respect to speaking, reading and writing.

A candidate for a graduate degree after more than one year of graduate study must satisfy his major department in respect to his knowledge of English.

Foreign Languages. A prospective candidate for the degree of Doctor of Philosophy is advised to prepare himself early for the oral examinations in reading modern languages. French and German are required except in cases where the Graduate Board may authorize the substitution of another language for one of these. A student must take these examinations not later than March first of his first year of residence at Clark University beyond the master's degree. When he is ready for either or both he is to notify the recorder, who will arrange for the examination to be held within two weeks if possible. These examinations are conducted by a committee composed of a representative of one of the modern language departments, and a representative of the student's major department. The committee shall report the results of the examination to the recorder. Additional language requirements may be imposed by the student's major department.

RESIDENCE

A regular year of full-time study or its specified equivalent in residence at Clark University is a prerequisite for any degree. Residence work is broadly defined as regular work at Clark University done under the immediate personal supervision of at least one member of the university faculty. A field trip led by a member of the university faculty who is regularly engaged in graduate instruction is considered as providing an opportunity for work in residence to a maximum extent of nine weeks.

Only the following are recognized as equivalents to a regular academic year:

For the degree of Master of Arts, one full semester of the regular academic year and the equivalent of 18 other weeks on a full-time program of graduate work approved by the major departments; or six sessions of the Clark University Summer School. Under certain clearly defined conditions, five sessions of the summer school may be accepted as the equivalent of a regular year of full time study in residence.

For the degree of Doctor of Philosophy, a sufficient number of courses taken during the regular academic year, even if spread over a number of years.

THE DEGREE OF MASTER OF ARTS

Admission to Candidacy. Regular students who have been admitted to the graduate school without condition, or others who have met any special requirements imposed by the Graduate Board, may, when they have demonstrated their ability to do satisfactory work, be accepted by the Graduate Board as candidates for the degree of Master of Arts. An application for admission to candidacy for the master's degree will be considered by the Graduate Board when the student has:

1. Completed one semester of full-time graduate work or its equivalent in residence at this university;
2. Paid the diploma fee (\$10) and publication fee (\$10), and
3. Obtained the written endorsement of his major department.

Applications should be filed with the secretary of the Graduate Board not later than the first week of the last full semester which the student expects to spend in residence as a candidate for the degree. Unless extended by action of the Graduate Board, candi-

dacy for the degree of Master of Arts lapses at the end of three years. When candidacy expires without the degree having been awarded the diploma and publication fees, less any expenses incurred, will be returned.

Course requirements. In order to insure that the student may obtain the necessary training, he must meet a minimum course requirement of 18 semester hours in addition to his research work. The subject-distribution of the courses of each candidate must have the approval of the candidate's major department. A candidate for the master's degree who is definitely preparing to teach in secondary schools, may, with the approval of his major department, elect one or two semester courses in education which will count toward the fulfillment of this course requirement.

Examinations. The candidate must make a satisfactory record in such written examinations as may be required by the major department, and in a final oral examination of approximately one hour's duration by a committee of three or more, two of whom shall be members of the Graduate Board. The major department shall make a written report in duplicate, one copy to be delivered to the university recorder and the other to the secretary of the Graduate Board, not later than 9 a. m. of the Friday preceding commencement, stating the ground on which the candidate is recommended for the degree.

Thesis. The candidate must demonstrate that he has a comprehensive knowledge of his field of study and is capable of carrying on, under direction, a satisfactory investigation in that field. He must submit to his major department, by May 15 of the year in which the degree is to be conferred, a thesis on an approved topic and an abstract thereof. The thesis shall be in a prescribed form on prescribed thesis paper (to be obtained from the bursar) and shall have a printed title page (to be obtained from the recorder) that bears the following statement:

"A thesis submitted to the Faculty of Clark University, Worcester, Massachusetts, in partial fulfillment of the requirements for the degree of Master of Arts in the Department of _____ and accepted on the recommendation of
(Name of Chief Instructor)."

The title page shall be followed by a page (to be obtained from the recorder) giving the academic history of the candidate.

The abstract should not exceed 600 words in length and should bear the written statement,

"Abstract approved for publication

(Name of Chief Instructor)."

The thesis and two copies of the abstract, bearing the signature of the chief instructor, shall be delivered to the university recorder not later than 9 a. m. of the Friday preceding commencement.

Additional copies of the thesis or abstract may be required by the major department.

THE DEGREE OF DOCTOR OF PHILOSOPHY

Course of Study. Only such candidates as give evidence of general proficiency, power of investigation and high attainments in the special field in which their major subjects lie will be encouraged to proceed to the degree of Doctor of Philosophy.

A graduate student who expects to proceed to the doctor's degree shall select a major subject of study, and at least one minor subject with the approval of the department in which the major subject lies.

Admission to Candidacy. Applications for admission to candidacy must be filed not later than November first, in any academic year, by students who hope to receive the degree at the end of that academic year.

An application for admission to candidacy for the degree of Doctor of Philosophy will be considered by the Graduate Board when the applicant has:

1. Completed two full academic years of graduate work or its equivalent;
2. Passed examinations in at least two foreign languages. French and German are required except in cases where the Graduate Board may authorize the substitution of another language for one of these;
3. Passed a preliminary examination in his major and minor fields of study;
4. Paid the diploma and publication fees (\$25 and \$15);
5. Filed with his major department an application for admission to candidacy, stating the subject of his dissertation, and
6. Obtained the endorsement of the application from his major department.

Admission to candidacy for the degree of Doctor of Philosophy shall hold good only for three years from the date of the vote granting admission to candidacy. When candidacy expires without the degree having been awarded, the diploma and publication fees, less any expenses incurred, will be returned.

Dissertation. For the degree of Doctor of Philosophy an indispensable requirement is a dissertation upon an approved subject, to which it must be an original contribution of value.

Not later than May 1, the dissertation, with an abstract not exceeding 1,200 words in length, must be presented to the instructor under whose direction it is written. The dissertation shall be in a prescribed form on prescribed thesis paper (to be obtained from the bursar) and shall have a printed title page (to be obtained from the recorder) that bears the following statement:

"A dissertation submitted to the Faculty of Clark University, Worcester, Massachusetts, in partial fulfillment of the requirements for the degree of Doctor of Philosophy in the Department of——and accepted on the recommendation of
(Name of Chief Instructor)."

The title page shall be followed by a page (to be obtained from the recorder) giving the academic history of the candidate.

The abstract should bear the written statement:

"Abstract approved for publication

(Name of Chief Instructor)."

The dissertation and abstract must be accepted by the chief instructor before the final examination may be held. In every case the dissertation shall be laid before the examining committee at the time of examination, with the comments of the chief instructor and other readers.

The complete copy and two copies of the abstract of the dissertation, bearing the signature of the chief instructor, shall be delivered by the department to the university recorder not later than 9 a. m. of the Friday preceding commencement. The dissertation and one copy of the abstract will be deposited by the recorder in the library, where they shall remain permanently, not subject to withdrawal.

A second copy of the dissertation, accompanied by a copy of the abstract shall be delivered to the department or the library for loan purposes.

If and when a dissertation is published, five of the printed copies should be presented to the Clark University Library; four copies to be retained by the library and the other to be presented to the Library of Congress for its annual list of American doctoral dissertations printed.

At the final examination the student will be expected to defend his dissertation and, at the discretion of the examining committee, he may be questioned over the entire field of his study. The final examination will be at least a two-hour oral examination. Addi-

tional written examinations may be given at the discretion of the department concerned. The oral examination will be held by a committee of at least four members, including the chairman or his duly appointed representative and one other representative of the department in which the candidate has done his major work, one or more representatives of the department or departments in which the candidate has elected his minor subjects, a member of the Graduate Board under whom the candidate has done no work, and such other members of the Graduate Board as care to attend.

The president of the university is authorized to invite any person from within or without the university to be present and to assist in the examination. The committee shall in each case appoint a clerk who shall report the results of the examination to the university recorder.

Each department shall render to the university recorder and to the secretary of the Graduate Board final reports in writing on all candidates for the degree of Doctor of Philosophy not later than 9 a. m. of the Friday preceding commencement.

The Graduate School of Geography

STAFF

WALLACE W. ATWOOD, PH.D., Professor of Physical and Regional Geography and Director of the Graduate School of Geography.

CLARENCE F. JONES, PH.D., Professor of Economic Geography.

W. ELMER EKBLAW, PH.D., Professor of Geography, Assistant Editor, *Economic Geography*.

SAMUEL VAN VALKENBURG, PH.D., Professor of Climatology and Regional Geography.

WALLACE W. ATWOOD, JR., PH.D., Assistant Professor of Physiography and Regional Geography.

GUY H. BURNHAM, A.M., Cartographer.

GENERAL STATEMENT

The Graduate School of Geography gives opportunity to properly qualified students to secure advanced training in geography. The staff is composed of specialists in the various fields of geography. They must of necessity spend a portion of their time in travel and in field studies, but while in residence, they offer regular courses of instruction and direct advanced students in research work. It is not the intention to offer all courses of instruction each year; many of them are given once in two years. Abundant opportunities for instruction are provided, but graduate students are advised not to burden themselves by attending too many lecture courses. They must depend very largely for their growth upon their individual efforts in research, under the direction of members of the staff. The map collection and the libraries offer them unusual facilities for research work in residence, but it is hoped that all graduate students, before completing their university work, may undertake field studies.

The publication of *Economic Geography*, issued quarterly, was begun in 1925.

In the Summer School each year many members of the geography staff offer both elementary and advanced courses. These are acceptable for preparation for graduate work and for meeting the requirements for the degree of Master of Arts.

GEOGRAPHY COURSES FOR COLLEGE STUDENTS

Undergraduates planning to major in geography or to go on into graduate work in geography are urged to consult the geography staff early in their undergraduate course, so that suitable programs may be mapped out including essential courses in related fields.

Students majoring in geography are required to take seven year courses, or the equivalent in year courses and semester courses, in geography and related fields. At least four and not more than five of these courses must be in geography. Required courses in geography are as follows: 10a, 10b—usually taken in the freshman year; 15b, 16a, 181b, 185a—usually taken in the sophomore or junior year.

Additional courses which may be taken to fulfill the requirement in geography are: 26, 12a, 17a, 17b, 18b, and 19b.

Courses in related fields, offered towards a major in geography must include Geology 12 and one or more additional courses selected from the following list: Biology 11, 14, Physics 11, Economics 11, History 18.

Students majoring in geography, may by special permission, elect in their third and fourth years advanced courses offered in the Graduate School of Geography.

GRADUATE WORK IN THE SCHOOL OF GEOGRAPHY

The Graduate School of Geography is open to any who wish to receive professional training in geography, and who are qualified to enter the graduate division of the university and take advanced work in geography. The undergraduate preparation for advanced work is indicated by the above college program.

The degrees of Master of Arts and Doctor of Philosophy are conferred. For the master's degree two years may be required for those whose preparation is considered to be insufficient to permit them to qualify in the minimum time.

The following courses in other departments should be of interest to students in geography: botany (Biol. 14); economic history (Ec. 14); economic statistics (Ec. 16); international trade and international finance (Ec. 27a); international economic policies (Ec. 31); The Pacific and the Far East (Hist. 22); Latin America (Hist. 27).

All prospective candidates for graduate degrees in geography who are in residence will be expected to attend the field camp for three weeks each autumn, and during the year to take part in the seminar.

Formal course work in geography ends in midwinter on January

15, and in spring on May 1, leaving students free to read and to coördinate their work prior to the examination periods.

Candidates for the master's degree in geography may be expected to pass written examinations and a general oral examination in the following fields: physiography, climatology, soils and land utilization, plant geography, economic geography, human geography and anthropogeography, regional geography, and political geography.

Candidates for the doctor's degree in geography will be expected to pass more advanced written examinations, and a general oral examination including the broad foundation required for the master's degree and such more advanced studies as the candidate may have pursued in the fields of his particular interests. In general, a year of work beyond the master's degree should prepare a candidate for his general examination which is preliminary to his being accepted as a candidate for the Ph.D. degree and to his entering on concentrated work for his Ph.D. dissertation. This year of course work may well include, besides certain advanced courses in geography, related advanced studies in history and international relations, economics, or biology. The student is given much freedom of choice. By March 1 of the year prior to the final one for the doctorate a prospective candidate for the doctorate will be expected to show a reading knowledge of German and French.* These two foreign languages are the most important for American geographers.

STUDENTS' FEES

All geography students in residence must meet the camp fee, the workroom fee, and a classroom materials fee.

The camp fee covers board and lodging, transportation, maps, drafting supplies, and meteorological instruments from the time the party leaves Worcester to go to camp till it returns at the end of the three weeks' period. The fee is \$75, payable October 1 to the camp treasurer. The tuition fee for students participating in the field course only is \$25.

The workroom fee is assessed to help maintain the geography workroom and equipment used by graduate students. It applies to the alcove desk, files of maps, the card catalog, drafting tables and instruments. There are also adding and computing machines. The workroom fee is \$5 a semester, payable November 1 and March 1, to the departmental stenographer.

*While German and French will normally be the two languages required, an exception might be made in a case where the dissertation for the doctorate demands a comprehensive knowledge of Spanish.

The classroom materials fee is for mimeographed outlines, abstracts, summaries, chapters of theses in the various courses and in the seminar and for the maintenance in part of the classroom wall-maps and other equipment, and for the small expense of balloons and hydrogen and of some meteorological instruments. The classroom materials fee is \$5 each semester, payable November 1 and March 1, to the departmental stenographer.

COURSES IN GEOGRAPHY

(AND IN RELATED SUBJECTS)

1. PRIMARILY FOR UNDERGRADUATES

10a. The Principles of Geography. An introduction to the principles of geography.

Half course, first semester. M. W. F., 10. MR. ATWOOD, JR.

10b. Introduction to Regional Geography.

Open to freshmen.

Half course, second semester. M. W. F., 10.

MR. VAN VALKENBURG

15b. Conservation of Natural Resources.

Half course, second semester. M. W. F., 11. MR. ATWOOD, JR.

181b. Geography of North America.

Open to freshmen.

Half course, second semester. M. W. F., 11. MR. ATWOOD, JR.

Omitted, 1938-39.

185a. Geography of Europe.

Half course, first semester. M. W. F., 11.

Omitted, 1938-39.

MR. VAN VALKENBURG

Geology 12. General Geology.

MR. LITTLE

12b. Weather and Climate.

Half course, second semester. T. Th. S., 8.

MR. SIPLE

14. Physiographic Regions of the World.

Three hours weekly, through the year.

MR. ATWOOD, JR.

Biology 14. General Botany.

MR. POTTER

16a. Political Geography.

Half course, first semester. M. W. F., 11.

MR. VAN VALKENBURG

17a. Geography of Worcester and Vicinity. A field and laboratory course. Prerequisites, Geography 10a and 10b and Geology 12, or equivalent.

Half course, first semester.

MR. ATWOOD, JR.

Omitted, 1938-39.

17b. Geography of New England. Prerequisites, Geography 10a and Geology 12.

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1938-39.

18b. Regional Physiography of North America. Prerequisite, Geology 12, or 9 hours of geography.

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1938-39.

19b. Studies in Regional Physiography. Prerequisite, Geology 12, or Geography 10 (a and b).

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1938-39.

Geology 121a. Mineralogy.

MR. LITTLE

Geology 122b. Economic Geology.

MR. LITTLE

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

26. Economic Geography. Prerequisites, Geography 10a, 10b, 12b, and Geology 12.

Three hours weekly, through the year. Tu. Th. S., 9. MR. JONES

201a. Geography of Asia.

Two hours weekly, first semester. M. W., 9.

MR. VAN VALKENBURG

202b. Political Geography.

Two hours, second semester. T. Th., 11. MR. VAN VALKENBURG

290a. Cartography and Graphics.

One hour weekly, first semester.

Omitted, 1938-39. PRESIDENT ATWOOD AND MR. BURNHAM

3. EXCLUSIVELY FOR GRADUATE STUDENTS

30. Seminar.

Hours to be arranged.

STAFF

31. Regional Physiography. Prerequisite, Geology 12, or equivalent in physiography.

Two hours of lectures and two hours of laboratory weekly.

M. W., 9.

MR. ATWOOD, JR.

32. Regional Climatology. Prerequisite, Geography 12b or equivalent.

Two hours, through the year. Tu. Th., 10.

MR. VAN VALKENBURG

33a. Soil Geography.

Two hours, first semester. M. W., 10.

MR. EKBLAW

33b. Land Utilization and Planning.

Two hours, second semester. M. W., 10.

MR. EKBLAW

34a. Plant Geography.

Two hours, first semester. M. W., 9.

MR. EKBLAW

Omitted, 1938-39.

34b. Plant Regions. Prerequisite, Geography 34a.

Two hours, second semester. M. W., 10.

MR. EKBLAW

Omitted, 1938-39

300. Problems in Geography.

Tuesdays at 3:30

PRESIDENT ATWOOD

310. Research in Regional Physiography.

PRESIDENT ATWOOD

320. Research in Climatology.

MR. VAN VALKENBURG

330. Research in Soils.

MR. EKBLAW

340. Research in Plant Geography.

MR. EKBLAW

350. Research in Agricultural Geography or Land Utilization.

MR. EKBLAW

360. Research in Industrial or Commercial Geography.

MR. JONES

370. Research in Human Geography.

MR. EKBLAW

380. Research in Regional Geography.

One or more members of the Staff

36b. Industrial Geography. Prerequisite, Geography 26.

Two hours, second semester. M. W., 2.

MR. JONES

Omitted, 1938-39.

362a. Geographic Aspects of United States Foreign Trade.*Two hours*, first semester. M. W., 9.

MR. JONES

Omitted, 1938-39.

37. Human Geography. Prerequisites, 9 hours of geography or history and permission of the instructor.*Two hours*, through the year. M. W., 2.

MR. EKBLAW

375a. Geography of Europe.*Two hours*, first semester. M. W., 10. MR. VAN VALKENBURG

Omitted, 1938-39.

383b. Caribbean America.*Two hours*, second semester. M. W., 11.

MR. JONES

384a. South America.*Three hours*, first semester. M. W. F., 11.

MR. JONES

History 22. The Pacific and the Far East.**394a. Field Methods and Studies.** Three weeks at the opening of the school year. Connecticut Valley, 1925 to 1930 inclusive; Cape Cod, 1931; Connecticut Valley, 1932 and 1933; Blackstone Valley, 1935; upper Housatonic Valley, 1936; Central Highlands of Massachusetts, 1937; omitted in 1938 because of hurricane.

Required each year of all candidates for graduate degrees in geography.

The Summer School

OFFICERS OF INSTRUCTION AND ADMINISTRATION

WALLACE WALTER ATWOOD, PH.D.

President of Clark University and Director of the Graduate School of Geography, Clark University.

ROBERT S. ILLINGWORTH, A.M., ED.M. English and Dramatics
Director of the Summer School and Professor of Dramatic Art, Clark University.

CLARENCE F. JONES, PH.D. Geography
Professor of Economic Geography, Clark University.

WALTER ELMER EKBLAW, PH.D. Geography
Professor of Geography, Clark University.

SAMUEL VAN VALKENBURG, PH.D. Geography
Professor of Geography, Clark University.

GORDON G. DARKENWALD, PH.D. Geography
Instructor in Geography, Hunter College.

GUY H. BURNHAM, A.M. Cartography
Cartographer, Clark University.

DWIGHT E. LEE, PH.D. History
Professor of History, Clark University.

H. DONALDSON JORDAN, PH.D. History
Professor of History, Clark University.

GUY A. LEE, PH.D. History
Assistant Professor of History, Clark University.

EUGENE F. MELDER, PH.D. Economics and Sociology
Assistant Professor of Economics, Clark University.

VERNON JONES, PH.D. Education
Professor of Educational Psychology, Clark University.

DAVID POTTER, PH.D. Biology and Botany
Professor of Biology, Clark University.

LYDIA P. COLBY Recorder

FLORENCE CHANDLER Bursar

The session of 1939 will begin July 5 and end August 11.

Instruction will be offered in geography, history, education, economics and sociology, English, and biology.

Qualified students are admitted upon presentation of proper credentials. Both undergraduate and graduate work is offered.

Work done in the summer school may be counted, subject to the regulations of the college and the graduate school and of the faculty of the university, toward fulfillment of the requirements for the degrees of Bachelor of Arts, Bachelor of Education, and Master of Arts. Unless otherwise announced, each course is intended to be the equivalent of a course meeting two hours per week throughout a semester and is credited, when accepted toward the fulfillment of the requirements for a bachelor's degree in this university, for two semester hours.

The tuition charges are twenty dollars for a single course meeting five times a week, thirty-five dollars for two or three courses, and forty-five dollars for four courses. Rooms in the vicinity of the university cost from three dollars a week up, and board may be obtained at a reasonable rate.

The Summer School Bulletin, published about February 1, contains detailed information about the coming session with descriptions of the various courses, and may be had upon application to the Director of the Summer School, Clark University, Worcester, Mass.

The names of the students who attended the Summer School in 1938 will be found in the register at the end of this catalogue.

LIST OF COURSES

The starred courses (*) are those definitely intended, by the instructor concerned, for students who are candidates for the degree of Master of Arts or of Master of Arts in Education in Clark University. These courses are not restricted to such students, and their acceptance as part of a program leading to the master's degree is subject to the approval of the student's major department and of the Graduate Board.

GEOGRAPHY

SS11. Saturday Field Trips.	DR. EKBLAW
SS14. II Economic Geography.	DR. CLARENCE JONES
SS190. Mathematical Geography.	MR. BURNHAM

SS191. Cartography and Graphics. MR. BURNHAM

***SS201. Geography of North America.** DR. EKBLAW

***SS202. Political Geography.**
DR. VAN VALKENBURG ASSISTED BY DR. DARKENWALD

***SS222. Climates of the World.**
DR. VAN VALKENBURG ASSISTED BY DR. DARKENWALD

SS27. Human Geography. DR. EKBLAW

***SS283. Caribbean America.** DR. CLARENCE JONES

***SS30. Seminar in Geography.**
DRS. CLARENCE JONES, EKBLAW, VAN VALKENBURG, DARKENWALD

***SS34. Research in Geography.**
DRS. JONES, EKBLAW AND VAN VALKENBURG

HISTORY AND INTERNATIONAL RELATIONS

***SS27. Conflicts of Political Ideas.**
DRS. D. E. LEE AND JORDAN

***SS221. Postwar International Relations of Europe.**
DRS. D. E. LEE AND JORDAN

***SS201. Social and Intellectual History of the United States, 1607-1825.**
DR. GUY A. LEE

ECONOMICS AND SOCIOLOGY

SS2. Current Economic Problems. DR. MELDER

SS19. Educational Sociology. DR. MELDER

SS32. Research in Selected Social and Economic Problems.
DR. MELDER

ENGLISH AND DRAMATICS

SS4. Modern Poetry. PROFESSOR ILLINGWORTH

SS113. Modern British Drama. PROFESSOR ILLINGWORTH

SS5. Stagecraft. PROFESSOR ILLINGWORTH

SS2. Public Speaking. PROFESSOR ILLINGWORTH

EDUCATION

***SS20. Education for Character and Citizenship.**

DR. VERNON JONES

***SS311. Educational Guidance.**

DR. VERNON JONES

BIOLOGY AND BOTANY

SS10. General Biology.

DR. POTTER

SS15. Methods in Teaching Botany.

DR. POTTER

SS300. Research in Botany.

DR. POTTER

The Degree of Bachelor of Education

The degree of Bachelor of Education is offered to teachers, both men and women, who have completed a two-year normal school course, or its equivalent, and who have had at least one year of experience in teaching. Candidates for this degree are under the direction of the Committee on Extension Courses and Special Students

The degree is awarded on the satisfactory completion of a program of studies aggregating slightly more than the equivalent of two years of regular college work, in addition to the normal school course. Candidates for the degree may earn the necessary credit in summer school, in extension courses ("Courses of College Grade for Adults"), and in regular college courses. A minimum of thirty (30) semester hours must be earned in residence at Clark University. All or part of the balance may be earned elsewhere, *subject to approval in advance by the Committee on Extension Courses and Special Students or its authorized representative*. A series of courses designated as "COURSES OF COLLEGE GRADE FOR ADULTS" is offered each semester at the university to meet the needs of candidates for the degree of Bachelor of Education. Study outside of regular classes conducted under the auspices of a recognized institution of college grade cannot be accepted for "credit," though such study may be the basis of relief from requirements in particular subjects.

A teacher in active service may normally earn a maximum of four semester hours of credit in each semester of the academic year and six* hours in a six-week summer school. At this rate, the degree can be secured in five calendar years after the completion of the normal school course. Men who are candidates for the degree and who can devote themselves to full-time study will usually find it possible to enroll in regular college classes for a program yielding fifteen semester hours of credit each semester. *Women are not admitted to college classes at Clark University. Women, candidates for a bachelor's degree, will usually not find it possible to secure a full-time program of courses during the regular academic year.*

The program leading to the degree includes requirements in English, foreign language, laboratory science, social science and education.

*Full credit will not be given when a student enters a summer school after the first week of the session nor when changes of program are made after the first week of the session.

RULES AND REGULATIONS

The more important rules affecting candidates for the degree of Bachelor of Education are stated below.

It is impossible to cover explicitly, by rule, all situations which may arise in the absence of a fixed curriculum and with the possibility that credit toward the degree may be obtained from a variety of sources. The committee is guided by the general purpose to maintain a reasonable standard, involving suitable choice of courses and satisfactory performance in them.

1. **ADMISSION.** Only those who have completed a two-year normal school course or the equivalent may be admitted to candidacy for the degree of Bachelor of Education.

An application for admission to candidacy must be made in writing on a form which may be obtained from the university recorder. An application should be accompanied by evidence of graduation from a standard high school and an *official* record of all study by the applicant in normal school and college.

Applicants are notified in writing of action on their applications. Such notice in the case of those accepted includes a statement of "credit" allowed on records submitted, and of any special requirements.

2. A **MATRICULATION FEE** of \$5 must be paid for the purpose of opening an official record of credit in the office of the university recorder.

3. **"CREDIT" FROM OTHER INSTITUTIONS.**

- a. Credit of 54 semester hours will normally be given for the completion of a standard two-year course in a normal school or teachers college. Less than this may be granted at the discretion of the committee in charge of this work. Additional credit may be allowed for more than two years work at a normal school or college, and for suitable work in extension courses or in summer schools. The total credit from other institutions cannot exceed 90 semester hours.
- b. After admission to candidacy credit may be allowed for courses taken at approved universities, colleges, or normal schools, provided such courses are authorized in advance. In exceptional cases the committee may authorize credit for such courses taken without previous approval, but under no circumstances in excess of 75% of the face value of such courses.

- c. Not more than thirty hours of credit may be allowed for home study courses and extension courses taken with outside institutions. Such work is accepted from only a limited number of sources. This thirty-hour limit applies to the combined total of home study and "extension" courses.

4. REQUIREMENTS FOR THE DEGREE.

- a. 120 semester hours of college credit, including advanced standing granted at the time of admission to candidacy.
- b. At least 30 semester hours of credit earned *in residence* at Clark University. (Included in the total of 120 semester hours.)
- c. At least one year's teaching experience.
- d. Requirements in particular subjects:
 - (i) Six semester hours in psychology or education, taken after the completion of the two-year normal school course or its equivalent.
 - (ii) Six semester hours of laboratory science, taken after the completion of the two-year normal school course or its equivalent.
 - (iii) Ten semester hours of English, which may be taken in whole or in part in the normal school course.
 - (iv) Twelve semester hours in any *one* foreign language, which may be completed in whole or in part elsewhere than at Clark University. Evidence of the completion of this requirement may be supplied in the following ways: 1. by securing credit in course toward the degree for the twelve semester hours required; 2. by securing credit in course toward the degree for at least the last four semester hours normally required to complete the twelve hour requirement; 3. by passing satisfactorily an examination set by Clark University.
 - (v) Twelve semester hours of economics, geography, government, history, or sociology, at least six of which must be taken after the completion of the two-year normal school course or its equivalent.

NOTE:—Prospective candidates are urged to complete formal enrollment in time to complete at least 30 semester hours of credit toward the degree after admission to candidacy, in order that they may benefit by advice as to requirements and wise selection of courses.

5. **STANDARD OF SCHOLARSHIP.** A grade better than D+ is required in three-fourths of all credit accepted toward the completion of the requirements for the degree.

6. **LAPSE OF CANDIDACY.** Candidacy for the degree terminates automatically whenever for a period of two years or more a candidate has failed to complete any courses in Clark University yielding credit toward the degree. A candidacy terminated under this rule may be renewed by action of the committee. Such renewal may involve a revision of allowances previously made both in respect to total credit and requirements in particular subjects.

7. **DIPLOMA FEE.** The diploma fee (five dollars) should be paid to the Bursar not later than the beginning of the semester or summer session in which the requirements for the degree will be completed.

SPECIAL COURSES FOR TEACHERS

With the needs of candidates for the degree of Bachelor of Education in mind, the university offers a series of college courses for adults designed both in respect to content and time of meeting for teachers in the public schools of Worcester and the surrounding region. These courses are also open to the general public. When occasion arises the subject of aims and methods of teaching is treated in some of these courses.

During the academic year 1938-39, the following courses have been offered:

BOTANY

- | | |
|--|-------------|
| 1. Biology and Human Problems. | MR. POMERAT |
| 2. Introductory Botany. | MR. POTTER |
| 3. Botany. | MR. POTTER |
| 4. The Functioning of the Human Body. | MR. PROSSER |

COMPARATIVE LITERATURE

- | | |
|---|-----------|
| 1. European Classics in Translation. | MR. JANTZ |
|---|-----------|

ENGLISH

- | | |
|-----------------------------------|-----------------|
| 1. Problems of the Writer. | MR. HOOVER |
| 2. Our Contemporaries. | MR. ILLINGWORTH |

CLARK UNIVERSITY

PSYCHOLOGY AND LIFE

This course is built around the problems of the individual's adjustments to himself and his environment. Topics such as behaviorism, psychoanalysis, Gestaltism, the development and measurement of personality, intelligence, motivation, emotional development, learning, and thinking, are stressed, as well as the application of psychology to personal and social problems.

Wednesdays, 7:00-8:40

MR. BROWN

MUSIC

An introductory course in the literature of Music, designed for the listener, occasional concert-goer, the musical amateur and the beginning student. A brief theoretical survey leads to immediate hearing of the music, demonstrated by phonograph recordings and performance in the classroom. The year's study begins with Carl Philipp Emanuel Bach, extending to Stravinsky, and including Haydn, Mozart, Beethoven, Weber, Schubert, Schumann, Liszt, Berlioz, Wagner, Brahms, Debussy, and Ravel.

A supplementary leaflet enumerating the works and forms to be studied is available on request.

Thursdays, 7:00-8:40
(Omitting October 6th)

MR. JOHNSON

THE FUNCTIONING OF THE HUMAN BODY

Physiology and hygiene of the principal systems of the body. A consideration of such topics as the endocrine glands, human heredity, diet and digestion, metabolism or how the body gets its energy, the kidneys, blood and the circulation, muscular activity, sense organs, and brain and spinal cord. Lectures and laboratory demonstrations throughout the year but each semester may be taken separately. \$1.00 laboratory fee per semester.

Mondays, 7:00-8:40

MR. PROSSER

(This Course is offered in conjunction with The Worcester Junior College)

APPRECIATION OF LANDSCAPE

A cultural course designed to explain and interpret in a popular way the characteristics of major features of physical landscape—the lands and their surface configurations; the seas with their tides and currents; the winds and weather and seasons; the plains and deserts and mountains; the streams and lakes; and other elements of scenery—and to relate them to the activities and the attributes of living things, particularly man.

A lecture course, except that, for those desiring credit toward a bachelor's degree, selected readings are assigned upon which satisfactory written reports and examination are required.

Wednesdays, 4:20-6:00

MR. EKBLAW

THE READING APPROACH TO FRENCH

A Course for Beginners

Since reading is the most useful of the language skills, as well as the one most easily acquired, the attention of the class during the entire year is concentrated upon this skill. Incidental attention is given to aural comprehension of spoken French and to pronunciation. The reading is chiefly in the nature of rapid comprehension, with a small amount of careful translation to encourage attention to detail. Corrective oral and written exercises are assigned to individuals needing them.

Mondays, 4:20-6:00

MR. CHURCHMAN

INTERMEDIATE FRENCH

A rapid review of the elements of French, with extensive reading. Simple composition work. The general principles of phonetics and pronunciation drill. Open to all who have taken the course for beginners or who have otherwise secured a knowledge of elementary French.

Mondays, 4:20-6:00

MR. LaRUE

ADVANCED PRACTICAL FRENCH

The main purpose of this course is the development of facility in the use of the spoken and written language. Although as far as possible French is the language of the classroom, it is not assumed that the student has already acquired facility. Students who have studied French for two years should consider themselves satisfactorily prepared. Advanced French, when the content is changed, may be repeated once with full credit.

Tuesdays, 4:20-6:00

MR. LELAND ATWOOD

FRENCH COMPOSITION AND ORAL WORK

Advanced exercises in English-to-French translation; reading and criticism of book reports and other papers on various topics. Additional instruction in phonetics and peculiar difficulties of French syntax. Open for credit to those who have had at least 12 semester hours of French.

Wednesdays, 4:20-6:00

MR. LaRUE

NEW VIEWPOINTS IN HISTORY

A consideration, or re-evaluation in the light of modern scholarship, of certain general terms applied to individuals and events in Europe, Great Britain, and America. Topics such as the "Fall" of the Roman Empire, the "Dark Ages", origins and significance of the French Revolution, origins of the World War, the Industrial Revolution, the English 17th century revolution, survival of the British Empire, trends in the writing and teaching of American history, re-appraisal of Abraham Lincoln, and American entry into the World War, will be discussed.

This course is designed for teachers of history and for others who wish to follow current trends in the interpretation of the past.

MESSRS. D. E. LEE, JORDAN, AND G. A. LEE
Thursdays, 4:20-6:00

GEOGRAPHY OF WORLD PROBLEMS

A geographical interpretation of some of the major economic and political-geographical problems of the world. This course is designed to help in the understanding of the problems of today and should be of value to teachers because of the influence of these problems on the life of nations and on international relations.

Thursdays, 4:20-6:00

MR. VAN VALKENBURG



The major groups of the Plant Kingdom. The course is devoted to a consideration of the structure of plants, their classification and relation to laboratory fee of \$1.00.

0-6:00

MR. POTTER

THE WRITER

A study of problems that face the contemporary writer: articles, essays, brief biographies, short stories, and poems, illustrating the literary efforts of authors in our own time, serve as models. Effort is made to answer individual needs and special interests.

8:40

MR. HOOVER

CONTEMPORARIES

A study of the works and the influence of recent writers: the novel, poetry, drama, and biography. The functions of literary criticism will be discussed. Each type of literature read under these headings: Interpretation, Practical and Ethical, Standards of Taste, Impressionism and Expressionism, Citations, prescribed and collateral readings.

This course is similar in method to those given previously under the same title, the material is new each year, and there is no duplication of credit.

A supplementary leaflet giving a detailed description of the course is available on request.

6:00

MR. ILLINGWORTH

EUROPEAN CLASSICS IN TRANSLATION

A reading and study of these works: Niebuhr's Divine Comedy, selected Essays of Montaigne, Cervantes' Don Quixote, selected plays of Molière, and Goethe's Faust.

This is a regular undergraduate course in Comparative Literature conducted as a seminar with reports, lectures, and open to a few Extension Division students. There is special interest in literature. Early contact with the instructor is advisable.

8:00-9:40

MR. JANTZ

FRENCH CIVILIZATION

A survey of the history, art, literature, and life of France, from the Middle Ages to the present, in co-operation with the Worcester Art Museum. Meetings comprising a lecture and the discussion of slides and photographs are held in the lecture hall of the museum. Programs of recorded French music and motion pictures are utilized as aids for study. A reading knowledge of French is required.

4:15-5:55

MR. DOUGHERTY

Worcester Art Museum



CALENDAR

LATE AFTERNOON COURSES (4:20-6:00)

MONDAY

Reading Approach to French
Intermediate French

TUESDAY

Our Contemporaries
French Civilization (4:15-5:55)
(Worcester Art Museum)
Practical French

WEDNESDAY

Appreciation of Landscape
Advanced French Composition and Oral Work

THURSDAY

Botany
New Viewpoints in History
Geography of World Problems



EVENING COURSES (7:00-8:40)

MONDAY

European Classics in Translation (8:00-9:40)
Functioning of the Human Body

TUESDAY

Problems of the Writer

WEDNESDAY

Psychology and Life

THURSDAY

Introduction to Music

The courses announced in this bulletin are open to High School Graduates, both men and women, and, by consent of the instructor, to students without the conventional training.

Credit may be earned by those formally enrolled as candidates for the degree of Bachelor of Education in Clark University, but those not desiring an official record of work done are admitted as "auditors" and are not required to "matriculate". Each course carries a credit of two semester hours.

REGISTRATION AND CHARGES

Registration involves the filling out of an enrollment card and payment of the fee. Students are not enrolled until the *enrollment card and the fee* for each course have been received by the Bursar. Those who desire to avoid the delay involved in making payments at the office of the Bursar may enroll by mail. A late registration fee of one dollar is charged.

Tuition charges are \$15.00 for a course meeting two hours a week for one semester. A matriculation fee of \$5.00 is paid by credit students but not by auditors.

DEGREE OF BACHELOR OF EDUCATION

A descriptive circular containing regulations for this degree (also printed in the General Catalog), as well as blank forms for admission to candidacy, may be obtained from the University.

For further information address:

LYDIA P. COLBY, *Recorder*

Entered as second-class matter, December 29, 1920, at the Post Office at Worcester, Mass., under the Act of August 24, 1912. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized January 24, 1921. Issued monthly except in May, July and August.

...and
gladly
Learn



CLARK UNIVERSITY

takes pleasure in announcing an attractive series of college grade, to be given by members of the regular faculty, and open to the public. For the first time a program of EVENING COURSES is undertaken in response to the demand. New courses have been added to the LATE AFTERNOON series.

As an outstanding cultural agency serving the community, CLARK UNIVERSITY desires to help YOU in furthering professional, business, or leisure-time accomplishment through systematic study under recognized auspices. The acquisition of new ideas and the gradual accumulation of knowledge under the guidance of competent instructors bring handsome returns on your investment of time and interest. Fifteen courses in various fields of study are offered for you. If YOU are invited to attend any of these courses during the first week, to consult the Faculty, or to visit the Library (open until ten o'clock).



Courses Begin the
Week of September 26



Late Afternoon and Evening Courses of College Grade for Adults

Second Semester 1938-1939

(Open to High School Graduates, Both Men and Women, and by Consent of the Instructor to Students Without the Conventional Training.)

SOCIOLOGY AND LIFE

An introduction to the field of general sociology. The elements of sociology are described under definite topics, as cultural origins of modern society, cultural variation and accumulation, the ways of social change, propaganda versus education, the nature of social problems and their solution.

Primarily a lecture course, those desiring credit are required to pass examinations on assigned readings. By special arrangement this course may count toward the requirement in education for the B.Ed. degree.

MR. ~~GRABER~~
→ Melder

Wednesday, 7:00-8:40

GEOGRAPHY OF WORLD PROBLEMS

A geographical interpretation of some of the economic and political-geographical problems of the world. This course is designed to help in the understanding of the problems of today and should be of value to teachers because of the influence of these problems on the life of nations and on international relations. A continuation of the first semester; also open to new students.

Thursday, 4:20-6:00

MR. VAN VALKENBURG

INTRODUCTION TO FRENCH CIVILIZATION

A selective survey of French art, history, literature, and music from the seventeenth century to the present day, offered in cooperation with the Worcester Art Museum. New students are admitted for the second semester. A reading knowledge of French is not required. Class meetings are devoted to lectures, to the showing of lantern slides, and to illustration by phonograph recordings.

Tuesday, 4:15-5:55
Worcester Art Museum

MR. DOUGHERTY

MUSIC

An introductory course in the literature of music, designed for the listener, occasional concert-goer, the musical amateur and the beginning student. The second semester treats of the Romantic movement, the art-song, and the opera, as shown in works by Weber, Schubert, Schumann, Wagner, and Brahms. The pianoforte as a means of personal expression is considered with relation to Chopin and Schumann.

If time remains, works by Debussy, Ravel, and Stravinsky—Impressionists and Modernists—are surveyed. A supplementary leaflet is available on request.

Thursday, 7:00-8:40

MR. JOHNSON

INTRODUCTORY BOTANY

A study of the major groups of the plant kingdom. This course is a continuation of the first semester's work, but is so arranged that each semester may be taken separately. Laboratory fee \$1.00.

Monday, 4:20-6:00

MR. POTTER

EUROPEAN CLASSICS IN TRANSLATION

A careful reading and study of these works: selected Essays by Montaigne, Cervantes' Don Quixote, selected plays by Molière, and Goethe's Faust.

This is the regular undergraduate course in Comparative Literature, conducted as a seminar with reports, lectures, discussions; it is open to others possessing an especial interest in this field. Consultation with the instructor before registration is advisable.

Wednesday, 7:30-9:10

MR. JANTZ

BIOLOGY AND HUMAN PROBLEMS

What is man's position in the living world? How does man's group behavior compare with intra-human societies? What modern attacks are being made to explain the nature of life and reproduction? How is biology helping in the solution of medical problems?

To answer such questions relating biology to everyday life, this course will present a series of lecture demonstrations designed especially for students without an extensive background in the sciences. \$1.00 laboratory fee.

Thursday, 7:00-8:40

MR. POMERAT

APPRECIATION OF NATURE

A cultural course planned to interpret in a popular but thorough way the part that plants and animals play in the pageant of the seasons, as elements in the landscape, and as factors in man's problems and satisfactions. Emphasis will be laid upon the attributes and aspects of nature in trees, flowers, ferns, mammals, birds, insects, etc., in relation to their habitats and to man. This will be primarily a lecture course, except that all who desire credit must prepare satisfactory reports upon assigned readings.

Wednesday, 4:20-6:00

MR. EKBLAW

ENROLLMENT JANUARY

30 - FEBRUARY 11, 1939

MR. LARUE

THE PRACTICE OF MENTAL TESTING

A course designed for social and other professional workers, and for teachers, to give an understanding of the nature, development, and rôle of intelligence; presentation of the Stanford-Binet and the Tinner-Parerson Performance Scales, and several of the most widely used group tests of intelligence. Some knowledge of tests of educational achievement is acquired. Practice in the use of these instruments is stressed rather than test construction and theory. Students will test children in whom they are interested.

Thursday, 4:20-6:00

MR. SUPER

THE FUNCTIONING OF THE HUMAN BODY

The physiology and hygiene of the principal systems of the body considered under these topics: blood, circulation and heart, muscles, vision, hearing, and other senses, the nervous system. Lectures and demonstrations. Each semester may be taken separately. Laboratory fee of \$1.00.

This course is offered in conjunction with the Worcester Junior College.

Thursday, 7:00-8:40

MR. PROSSER

PROBLEMS OF THE WRITER

A course designed to offer practice and criticism to those interested in the writing of poetry, drama, and prose fiction. These subjects are considered: the meaning and more mechanical matter of characterization in various types of poetry; the treatment of character, plot, and setting in short stories, novelettes, novels, and plays; survey of the achievement of successful writers in these literary forms. Lectures, demonstrations, assigned readings, and original writing. Every effort will be made to meet individual needs.

Tuesday, 7:00-8:40

MR. HOOVER

OUR CONTEMPORARIES

An examination of the works and the influence of recent developments in the novel, poetry, drama, and biography. The processes and functions of literary criticism will be considered with each type of literature read under these topics: Understanding, Interpretation, Practical and Ethical Standards, Standards of Taste, Impressionism and Expressionism. Lectures, recitations, prescribed and collateral readings.

While this course is similar in method to those given previously under the same title, the material is new each year, and there will be no duplication of content. A supplementary leaflet is available on request.

Tuesday, 4:20-6:00

MR. ILLINGWORTH

THE READING APPROACH TO FRENCH

(Elementary)

As in the first semester, the emphasis is placed upon reading, the most useful and the most attainable of the language skills. Connected narratives supplement material from the introductory text. Incidental attention is given to elementary pronunciation and aural comprehension. This course is open to new members equipped with an elementary reading knowledge.

Monday, 4:20-6:00

MR. CHURCHMAN

THE MASTERY OF READING

(Intermediate French)

Extensive reading of short stories. Rapid survey of grammar. Simple composition. General principles of phonetics and pronunciation drill. Open to new members who have the equivalent of two years of high school French.

Monday, 4:20-6:00

MR. LARUE

ADVANCED PRACTICAL FRENCH

A continuation of the work of the first semester in the use of the spoken and the written language. New students with two years of foundation work may enter at this time. As far as possible French is the language of the classroom, but facility is not assumed at the time of admission to the course. This course may be repeated once for credit, when the content is varied.

Tuesday, 4:20-6:00

MR. LELAND ATWOOD

ADVANCED COMPOSITION AND ORAL WORK

English-to-French translation, leading to original idiomatic composition. Book reports and short oral addresses on easy topics. Open for credit to those who have had at least 12 semester hours of French.

Wednesday, 4:20-6:00

MR. LARUE



CALENDAR

Late Afternoon Courses
(4:20-6:00)

MONDAY

Botany
Reading Approach to French (Elementary)
The Mastery of Reading (Intermediate French)

TUESDAY

Our Contemporaries
Advanced Practical French
Introduction to French Civilization
(Worcester Art Museum 4:15-5:55)

WEDNESDAY

Advanced Composition and Oral Work (French)
Appreciation of Nature

THURSDAY

Geography of World Problems
The Practice of Mental Testing

Evening Courses
(7:00-8:40)

TUESDAY

Biology and Human Problems
Problems of the Writer

WEDNESDAY

European Classics in Translation
(7:30-9:10)
Sociology and Life

THURSDAY

Music
The Functioning of the Human Body

ENROLLMENT
JANUARY 30 -
FEBRUARY 11, 1939

CLARK UNIVERSITY BULLETIN

No. 141

December, 1938

Clark University again offers a selected list of courses to the public of Worcester and vicinity in the late afternoons and evenings. All of these courses of college grade are open to mature persons who desire to make the most of their leisure time through systematic study under recognized auspices.

Credit may be earned in these courses by those formally enrolled as candidates for the degree of Bachelor of Education in Clark University, whereas recent high school graduates may continue their education at the college level. Those not desiring an official record of work done are admitted as "auditors" and are not required to "matriculate." To this last group belong in particular those many persons who wish to broaden the scope of their knowledge for general social and cultural purposes.

REGISTRATION AND CHARGES

Registration involves the filling out of an enrollment card and payment of the fee. Students are not enrolled until the *enrollment card and the fee* for each course have been received by the Bursar. Those who desire to avoid the delay involved in making payments at the office of the Bursar may enroll by mail. A late registration fee of one dollar a week, up to a maximum of five dollars, is charged after February 11.

Tuition charges are \$15.00 for a course meeting two hours a week for one semester. A matriculation fee of \$5.00 is paid by credit students who have not previously matriculated, but not by auditors.

DEGREE OF BACHELOR OF EDUCATION

A descriptive circular containing regulations for this degree (also printed in the General Catalog), as well as blank forms for admission to candidacy, may be obtained from the University.

For further information address:

LYDIA P. COLBY, *Recorder.*

THE BULLETIN is Published in January, March, September, October, December.

Entered as second-class matter December 29, 1920, at the Post Office at Worcester, Mass., under the Act of August 24, 1912. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized January 24, 1921.

CLARK UNIVERSITY BULLETIN

Entered as Second-Class Matter at the Post Office at Worcester, Mass.



FRENCH

- | | |
|---|-------------------|
| 1. Advanced Practical French. | MR. LELAND ATWOOD |
| 2. The Reading Approach to French. | MR. CHURCHMAN |
| 3. Introduction to French Civilization. | MR. DOUGHERTY |
| 4. Intermediate French | MR. LARUE |
| 5. The Mastery of Reading. | MR. LARUE |
| 6. French Composition and Oral Work. | MR. LARUE |
| 7. Advanced Composition and Oral Work. | MR. LARUE |

GEOGRAPHY

- | | |
|---------------------------------|--------------------|
| 1. Appreciation of Landscape. | MR. EKBLAW |
| 2. Appreciation of Nature. | MR. EKBLAW |
| 3. Geography of World Problems. | MR. VAN VALKENBURG |

MUSIC

- | | |
|-----------|-------------|
| 1. Music. | MR. JOHNSON |
|-----------|-------------|

PSYCHOLOGY

- | | |
|------------------------------------|-----------|
| 1. Psychology and Life. | MR. BROWN |
| 2. The Practice of Mental Testing. | MR. SUPER |

SOCIOLOGY

- | | |
|------------------------|------------|
| 1. Sociology and Life. | MR. MELDER |
|------------------------|------------|

Departmental Announcements

The unit of instruction for undergraduates is a "course." A "course" normally meets for class room or laboratory exercises three or four times weekly throughout the year and constitutes one-fifth of a normal program for an undergraduate. A "half course" normally meets with the same frequency throughout one semester. Classes meeting twice weekly normally yield credit for one-third of a course in each semester.

Each unit of undergraduate instruction as listed below constitutes one "course" unless its value as a fractional course or a multiple course is indicated.

Advanced courses, not primarily for undergraduates, are announced with a statement of the number of weekly meetings. Undergraduates who are permitted to enroll in such courses should carefully check with the recorder to avoid any misunderstanding in regard to the equivalent number of "courses" represented by their programs.

Courses offered by the several departments are listed under three headings:

1. PRIMARILY FOR UNDERGRADUATES, designated by numbers beginning with the figure (1).
2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES, designated by numbers beginning with the figure (2).
3. PRIMARILY FOR GRADUATE STUDENTS, designated by numbers beginning with the figure (3).

Credit for the first semester alone is given in all courses except in cases where a department, by a note following the description of the course, specifically reserves the right to withhold credit until the second semester of the course is satisfactorily completed.

Any course maybe entered at the beginning of the second semester, with the consent of the instructor, by students who are prepared to take up the work of the course at that time.

DEPARTMENT OF ANCIENT LANGUAGES

PROFESSOR BRACKETT

A major in ancient languages consists (1) of four courses involving the study of the Greek or Latin language, or of both; (2) of Greek 17, and (3) of two courses in English literature.

COURSES IN GREEK

11. First Year Course. Divisible only in special cases with the approval of the department and of the College Board.

Open to freshmen.

Through the year. M. W. F., 10.

MR. BRACKETT

12. Xenophon, *Anabasis*; Homer, *Iliad*. About ten weeks at the beginning of the year are devoted to reading selections from the *Anabasis*, the principal aim being to increase the student's facility in translation. The remainder of the year is devoted to the *Iliad*.

Open to freshmen.

Through the year. M. W. F., 11.

MR. BRACKETT

13. The Greek Drama. Aeschylus, *Prometheus Bound*; Sophocles, *Antigone*; Euripides, *Medea*.

Through the year.

MR. BRACKETT

Omitted, 1938-39.

16a. Greek Tragedy in English. Plays of Aeschylus.

Half course, first semester. M. W. F., 9.

MR. BRACKETT

Omitted, 1938-39.

Greek 17. Greek Civilization. This course will cover the period from the beginnings of Greek history to 146 B.C.

Open to freshmen with the consent of the instructor.

Through the year.

MR. BRACKETT

Omitted, 1938-39.

18. Greek Drama in English. Plays of Aeschylus, Sophocles and Euripides.

Through the year. T. Th. S., 11.

MR. BRACKETT

COURSES IN LATIN

1. PRIMARILY FOR UNDERGRADUATES

11. First Year Course.

Open to freshmen.

Through the year. T. Th. S., 10.

MR. BRACKETT

Omitted, 1938-39.

12. Selections from Catullus; Horace, selected epodes and odes.

Open to freshmen.

Through the year. T. Th. S., 8.

MR. BRACKETT

15. Selections from Caesar, Cicero and Ovid. This course is open to students who have had Latin 11 or its equivalent. The principal aim is to increase the student's ability to read Latin.

Through the year. T. Th. S., 9.

MR. BRACKETT

Omitted, 1938-39.

16a. Selections from Lucretius, De Rerum Natura and Cicero, Tusculan Disputations.

Half course, first semester.

MR. BRACKETT

Omitted, 1938-39.

18b. The Teaching of Latin; Latin Composition.

Half course, second semester.

MR. BRACKETT

Omitted, 1938-39.

17. Roman History. This course will deal with the history of Rome from the earliest period to the downfall of the Western Roman Empire.

Half course.

MR. BRACKETT

Omitted, 1938-39.

COURSES IN ART AND MUSIC

LORING HOLMES DODD, *Professor of Rhetoric, Curator of Art.*

H. EARLE JOHNSON, *Instructor in Music, Director of Musical Organizations.*

The following courses are offered: (a) as general electives; (b) as means for satisfying the general requirement in art, music and (or) literature [see 4 (c) under "Requirements for the degree of Bachelor of Arts"].

The following courses are not accepted in fulfilment of requirements in English or in "division B."

Art 10b. The Art of My Country. American accomplishment in painting, sculpture and architecture. Illustrated lectures, assigned readings, field trips.

Half course, second semester. M. W. F., 9.

MR. DODD

Art 11b. Great Moments in the Art of Europe. The outstanding eras in painting, sculpture and architecture in the several countries of Europe. Illustrated lectures, assigned readings, frequent visits to museums.

Half course, second semester. M. W. F., 9.

MR. DODD

Omitted, 1938-39.

Music 12. A survey course in the history and understanding of music, beginning with Carl Philipp Emmanuel Bach and the genesis of sonata-form, and extending to the contemporary scene. The Vienna classicists, the romantic movement, the rise of impressionism, the so-called modernists are treated in the various types of music to be heard in concert-hall, opera house, and over the radio.

Elective for sophomores, juniors, and seniors.

Divisible only with the consent of the instructor.

Through the year. M. W. F., 11.

MR. JOHNSON

Music 13a. The Opera. A course in the evolution of opera from Peri's *Dafne* to Richard Strauss' *Elektra*. Special attention will be given to the social and literary backgrounds which underlie the music-drama.

Half course, first semester. M. W. F., 10.

MR. JOHNSON

DEPARTMENT OF BIOLOGY

PROFESSOR HOAGLAND, PROFESSOR POTTER,

ASSOCIATE PROFESSOR PROSSER, ASSISTANT PROFESSOR POMERAT,
VISITING PROFESSOR PINCUS

Research Associates

DOCTORS GRAUBARD, McCANN, SHAPIRO, WERTHESSEN

GENERAL STATEMENT

The Department of Biology is on the second floor of the main building of the university. The laboratories are well-equipped for the courses offered and contain special equipment for advanced investigations in physiology. In addition, annual funds are available for purchasing and building apparatus as it may be required. The university library contains complete files of the more important periodicals and reference works. Certain assistantships, fellowships and scholarships are available from time to time.

UNDERGRADUATE WORK

Biology 11 presents a comprehensive view which is prerequisite to all other courses in the department. Courses 12, 14, 15a, 16b, and 17b are planned to give the undergraduate a working acquaintance with fundamental aspects of zoölogy and botany. Courses 200 and 201 introduce the student to the physiological behavior of living systems.

An undergraduate majoring in biology is expected to complete at least:

1. Biology 11 and three advanced courses, including Biology 12 and 200. Candidates for honors in biology should also take Biology 14.
2. Mathematics 10 or 11.
3. Physics 11.
4. Chemistry 11.
5. French or German to an amount sufficient for a good reading knowledge.

Undergraduates who major in biology should elect additional courses in chemistry or in physics. Biology 200 and 201 bring to a biological focus, in the study of living organisms, many chemical and physical principles.

GRADUATE WORK

Students whose records are approved by the department may be admitted by the Graduate Board for work leading to the degree of Master of Arts in biology or to the degree of Doctor of Philosophy in biology. Certain advanced courses in the departments of physics, chemistry, mathematics and psychology may be credited in the Department of Biology,

The general requirements for the master's degree and for the doctorate are stated elsewhere in this catalog. In addition to the general requirements, the department has a supplementary requirement that an additional copy of each doctor's dissertation must be deposited with the department.

The analysis of fundamental activities of living organisms is undertaken upon the basis of physico-chemical principles. For this reason some foundation in physics, chemistry and mathematics as well as in biology is essential for advanced work.

COURSES IN BIOLOGY

It should be borne in mind that many of the courses in Biology are given in alternate years. The special course sheets given out at the time of registration should be consulted.

1. PRIMARILY FOR UNDERGRADUATES

11. General Biology. An introduction to the fundamental principles and problems of biology. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 11; M., 2.

MR. POTTER AND MR. POMERAT

12. Vertebrate Zoology. A study of the morphology of the vertebrates from a comparative standpoint which traces the evolution of animals from fish to mammals. Lectures and laboratory work.

Through the year. W. F., 9; T. F., 2.

MR. POMERAT

13. Seminar in General Biology. Credit is not given for this course. All students in the department are invited to attend and to participate.

STAFF OF THE DEPARTMENT

14. Botany. First semester, morphology and taxonomy of the lower plants. The laboratory work consists of a critical study of types from the most important natural families.

Second semester, systematic botany of the higher plants.

Prerequisite, Biology 11, first semester.

Through the year. Tu. Th. S., 11; Th., 2.

MR. POTTER

15b. Invertebrate Zoology. A detailed study of the structure, life history, habits, and distribution of invertebrate types. Two lectures and two laboratory periods per week.

Half course, second semester.

Omitted, 1938-39.

16a. Histology. A comprehensive course dealing with tissue structure. Emphasis is placed on the study of mammalian tissues. Two lectures and two laboratory periods per week.

Half course, first semester.

Omitted, 1938-39.

17a. Embryology. A consideration of the fundamentals of embryology. Two lectures and two laboratory periods per week.

Half course, first semester.

MR. POMERAT

To be omitted, 1939-40.

18b. Genetics. An introduction to the principles of genetics. *Half course*, second semester.

MR. POTTER

To be omitted, 1939-40.

140. Systematic Botany. Prerequisites, Biology 11, first semester and Biology 14, second semester.

Through the year.

MR. POTTER

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

200. Comparative Physiology. The principal types of functions in living systems as they occur in animals and plants. Biology

11 is a prerequisite and Biology 12 is advised. Two lectures and two laboratory periods per week.

Through the year. Tu. Th., 11 and two laboratory periods.

MR. PROSSER

Courses 200 and 201 replace course 206 as offered in 1937-38.

201. General Physiology (Biophysics). Open to students who satisfy the instructor as to their preparation in physics, chemistry and mathematics.

The nature of living substance is considered in terms of its component materials and their physico-chemical properties. Three lectures per week.

Through the year. Hours to be arranged. MR. HOAGLAND

202a. Physiology of Reproduction. A discussion of the problems of sexual periodicity, mating behavior, hormonal control of reproduction processes, the biology of the testes and the ovary.

Half course, first semester. Hours to be arranged. MR. POMERAT
Omitted, 1938-39.

203. Special Problems. Advanced semi-independent study of an approved topic under the direction of a member of the staff.

Hours and credit to be arranged. STAFF OF THE DEPARTMENT

204. Physiology of Central Nervous Systems. First semester, reflex action; second semester, functions of higher centers.

Three hours, through the year. MR. PROSSER

To be replaced in 1939-40 by Psychology 320a and Biology 204b.

Biology 204b. Physiology of Nervous Systems. A study of the action potential wave, synaptic transmission, reflex action, postural control and the functioning of higher brain centers.

Half course, second semester. Follows Psychology 320a. Three lectures weekly.

MR. PROSSER

New course. To be offered in 1939-40.

205. Seminar in Experimental Biology. Credit is not given for this course. All students in the department are invited to attend and to participate.

STAFF OF THE DEPARTMENT

207. Mechanisms of Reaction (seminar). Mechanisms underlying the behavior of organisms are considered from the standpoint of experimental physiology.

Two hours, through the year.

MR. HOAGLAND

Biology 208. Physiology of Invertebrate Animals. Selected topics in the comparative physiology of lower forms.

Half course, first semester. Hours to be arranged. MR. PROSSER
New course. To be offered in 1939-40.

3. PRIMARILY FOR GRADUATE STUDENTS

307. Readings in Physiology. Open to candidates for the doctorate in physiology. Reading and tutorial conferences on special topics. Credit to be arranged. STAFF OF THE DEPARTMENT

Psychology 320a. Advanced Experimental Psychology.
MR. BROWN

New course. To be offered in 1939-40 in the first semester; to be followed by Biology 204b.

308. Research in Physiology. Credit to be arranged.
MR. HOAGLAND AND MR. PROSSER

309. Research in Botany. Credit to be arranged. MR. POTTER

310. Research in Zoology. Credit to be arranged.
MR. POMERAT

DEPARTMENT OF CHEMISTRY

PROFESSOR MERIGOLD, PROFESSOR BULLOCK, ASSISTANT PROFESSOR
MACDOUGALL

Courses in chemistry fall into two groups:

First, those primarily for undergraduates. They furnish a foundation for professional work in chemistry or medicine, and are suitable for students desiring some knowledge of the subject as part of their general education.

Second, those primarily for graduates, leading to advanced degrees.

UNDERGRADUATE WORK

Students who intend to become professional chemists or to study for an advanced degree in chemistry should *major* in chemistry and take at least two years' work in physics.

They are advised to conform as closely as possible to the schedule given below.

First year: Chemistry 10 or 11; Mathematics 10 or 11; English 11; social science (division B) and foreign language.

Second year: Chemistry 12a, 13b, and 14; Physics 11; Mathematics 12; fine arts or literature; and a continuation of work in foreign language.

Third year: Chemistry 15, 110, and 19; and electives.

Fourth year: Five courses, chosen from the following: Chemistry 111, 212b, 214, 215; Physics 14 and 15; an elective. A choice, with reference to future work, should be made after consultation with the chemistry staff.

Two years of mathematics are required preparation for Chemistry 19 and for graduate work in chemistry. The same amount of mathematics is recommended for all who elect chemistry as a "major."

Those students who intend to enter the field of secondary education should acquaint themselves with the requirements in "education" of state and local licensing boards and prepare to meet these requirements. This may necessitate the omission of certain courses in chemistry scheduled for the third and fourth years.

Students intending to study medicine should consult the statement regarding pre-medical training in the announcement of the Department of Biology.

Attention is called to laboratory fees and breakage deposits listed under the general heading "Laboratory Fees and Deposits."

GRADUATE WORK

The Department of Chemistry provides graduate students with training in the fundamental principles of chemistry sufficiently broad to prepare them adequately for a scientific career.

Requirements for advanced degrees cannot be met merely by pursuing a course of studies or by carrying on an investigation. Hence no definite course of graduate studies is outlined. Ordinarily, completion of the undergraduate program outlined above will be a prerequisite for graduate work in chemistry.

All graduate students are required to have an adequate reading knowledge of French and German. This requirement applies to candidates for either the master's degree or the doctor's degree.

Students registered for advanced degrees are expected to spend not less than eighteen hours per week in the laboratory. This may include special laboratory work in organic, inorganic, and physical chemistry.

Graduate scholarships and fellowships are available to students in this department.

Clark College

Worcester, Mass.

DEPARTMENT OF CHEMISTRY

October 8, 1938

Dear Dean Little:

At the suggestion of Mrs. Colby I submit the following elucidation of certain changes in credit rating of some of the chemistry courses:

Chemistry 19, Physical Chemistry, we feel should comprise in a single course both laboratory and class work. We give credit for one and one half courses, indivisible save for exceptional reasons. Three hours class work in addition to laboratory work are required.

There has always been pressure to offer a shorter laboratory course in organic chemistry for the benefit of the pre medical men. Dr. Warren strenuously objected. We are now offering a half course, three semester hours, Chemistry 110, but running throughout the year, especially for the premed. men. This is not sufficient for chemistry majors who expect to go into chemistry. Consequently we offer separately, somewhat extended, what was formerly the analytical part of organic laboratory, which the premed. men do not need, as a semester course that may be taken in one of three ways: viz. three hours to run through the year or as a semester course in either semester. This plan offers a little flexibility which we feel will surely be appreciated in schedule planning by the student. This course is known as 111.

We shall be glad to elaborate any points on which the board may desire further information.

Very truly yours,

B.S. Merigold,

Chem. 111 may be taken simultaneously with 110.

COURSES IN CHEMISTRY

1. PRIMARILY FOR UNDERGRADUATES

10. Elementary Chemistry. Intended primarily for students who have not previously studied chemistry. Equivalent to course 11 as preparation for advanced courses.

Indivisible course.

Open to freshmen who have not studied chemistry in high school.

Through the year. Tu. Th. S., 9; Th., 2. MR. MACDOUGALL

11. General Chemistry. Chiefly inorganic. Systematic study of the elements and their principal compounds and the fundamental laws and theories of chemistry. Three lectures and three hours of laboratory work per week. Divisible only by consent of instructor.

Open to freshmen who have studied chemistry in high school.

Through the year. M. W. F., 11; M., 2. MR. MERIGOLD

12a. Qualitative Analysis. Chiefly laboratory work, nine hours per week. Occasional lectures and recitations. Prerequisite, course 11 or its equivalent

Half course, first semester. Tu. F., 2. MR. BULLOCK

13b. Introduction to Physical Chemistry. Lectures on some of the fundamental principles governing chemical behavior. Topics will include gas laws, solutions, ionic reactions and equilibria. This course is prerequisite to further work in physical chemistry, and is required of all chemistry majors. Prerequisite, course 12.

Half course, second semester. Tu. F., 2-3 and a third hour to be arranged. MR. MACDOUGALL

14. Quantitative Analysis. Chiefly laboratory work, with occasional lectures, recitations, and problems. Six hours of laboratory work, and one lecture per week. Prerequisite, course 13.

Divisible for pre-medical students. The complete course is required for a "major" in Chemistry.

Through the year. Tu., 3:30; Th., 2. MR. MERIGOLD

15. Elementary Organic Chemistry. Lectures on the fundamental principles of organic chemistry. Prerequisite, a grade C- or better in course 11, or its equivalent.

Through the year. M. W. F., 9. MR. BULLOCK

19. Physical Chemistry. A study of the theoretical aspect of chemistry including gases, liquids, solids, solutions, equilibria, re-

action rates and electromotive force. Five hours of laboratory work and three lectures per week. Prerequisites, grades C- or better in Chemistry 13b and 14, Mathematics 12, Physics 11.

One and one-half course, through the year. Tu. Th. S., 10.

MR. MACDOUGALL

110. Organic Synthesis and Analysis. Laboratory work in the preparation of typical organic compounds. Course 110 should be taken, if possible, in connection with course 15. Four and one-half hours of laboratory work per week. Open only to students who take or have taken courses 13, 14 and 15.

Half course, continuing through the year. Th., 2. MR. BULLOCK

111. Detection and Analysis of Organic Compounds. Chiefly laboratory work. Open to students who take or have taken Chemistry 110.

This course may be taken throughout the year four and one-half hours per week to supplement Chemistry 19 or 110, or 9 hours per week during the second semester.

Half course. M., 2.

MR. BULLOCK

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

212b. History of Chemistry. Outline of the historical development of the science, and the relation of chemistry to other sciences at various periods of development. Lectures, collateral reading, reports and thesis. Open to graduate students and seniors who take or have taken Chemistry 15 and 19 or equivalent courses. Required for advanced degrees in Chemistry.

Half course, second semester. Tu. Th., 11. MR. MERIGOLD

214. Advanced Quantitative Analysis (including gas analysis). Prerequisite, course 14. Lectures and laboratory work, nine hours per week.

Through the year. Tu. Th., 2.

MR. MERIGOLD

215. Honors Course. Primarily for candidates for "honors in Chemistry." Open in 1938-39 to others who have passed with high grades, Chemistry 14, 110, and 19.

STAFF OF THE DEPARTMENT

3. PRIMARILY FOR GRADUATE STUDENTS

32. Advanced Physical Chemistry. Lectures on thermodynamics, electrolytic solutions, theories of reaction rates, and

quantum statistics. Selected special topics will be taken up according to the time available and the needs of the class.

Three hours, through the year. M. W. F., 11. MR. MACDOUGALL

33. Advanced Organic Chemistry. Lectures on selected subjects in organic chemistry.

Two hours, through the year. Tu. Th., 11. MR. BULLOCK

34. Advanced Inorganic Chemistry. Lectures on selected topics in inorganic chemistry.

Three hours, through the year. Tu. Th. F., 9. MR. MERIGOLD

35. Seminar. Staff and graduate students. Reports on research work being carried on in the laboratory and report and discussion of recently published work in related fields.

Once a week, through the year. W., 5.

STAFF OF THE DEPARTMENT

314. Research in Inorganic Chemistry. MR. MERIGOLD

315. Research in Organic Chemistry. MR. BULLOCK

318. Research in Physical Chemistry. MR. MACDOUGALL

DEPARTMENT OF ECONOMICS AND SOCIOLOGY

PROFESSOR BRANDENBURG, PROFESSOR MAXWELL, PROFESSOR
LUCAS, ASSISTANT PROFESSOR MELDER

The first aim of the department is to give students a systematic knowledge of the organization and functions of our economic and social order. But this cultural objective is not exclusive. Many of the courses in economics have a vocational aspect and should receive the attention of students looking forward to business or professional careers. Among such courses are the following: 13, 16a, 17b, 18, 20a, 22, 24a, 117.

Economics 11 is a prerequisite to all other courses in economics, with the possible exception of Economics 14a and 14b, and is required of all majors in the department. Courses taken outside the department in partial fulfillment of the major requirement should be selected, subject to departmental approval, so as to provide a unified program centering about the student's major interest.

Candidates for departmental honors will engage in a program of independent study consisting of reading and research designed in part to give them specialized training in the fields of their major

interest and in part to supplement formal courses. Ordinarily a student will not begin his independent study until the second semester of the junior year, nor will he be permitted to undertake the equivalent of more than two courses in independent study.

In making elections, students should bear in mind that many advanced courses are offered only in alternating years.

GRADUATE WORK

The department regularly offers courses leading to the master's and doctor's degrees. Students expecting to enter upon advanced work should have creditably mastered basic courses in economics equivalent at least to a total of four courses, including Economics 11; those whose preparation is inadequate should expect to remove the deficiency before proceeding to study for a higher degree.

A sufficient range of courses will be offered in cycles of two or three years so that graduate students may be adequately prepared for candidacy for the doctorate in this department. The classification of courses as undergraduate, intermediate, and graduate is necessarily an elastic one. Graduate students electing courses in the undergraduate category will be required to do additional work; undergraduate students in courses of the intermediate group will be expected to do work of substantially graduate caliber.

Fellowships, scholarships, assistantships, and other aids are available to a limited number of worthy students.

Attention is directed to closely allied courses offered in geography, history and international relations, and psychology.

COURSES IN ECONOMICS

1. PRIMARILY FOR UNDERGRADUATES

10. Social Science Survey. An introduction to methods and materials of the social sciences preparatory to later work in these fields.

Indivisible course.

For freshmen; others will receive reduced credit.

Through the year. M. W. F., 9.

MR. BRANDENBURG

11. Principles of Economics. An introduction to the fundamental economic principles, together with a study of the practical application of these principles to the problems of American life. Economics 10 is a desirable preliminary course.

Indivisible course.

Through the year. Tu. Th. S., 10.

MR. LUCAS

13. Money and Banking. Indivisible course.

Through the year. M. W. F., 9.

MR. MAXWELL

14a. Economic History of Western Europe since 1700.*Half course*, first semester. M. W. F., 10.

MR. MAXWELL

To be omitted, 1939-40.

14b. Economic History of the United States.*Half course*, second semester. M. W. F., 10.

MR. MAXWELL

To be omitted, 1939-40.

15a. Public Finance.*Half course*, first semester. M. W. F., 10.

MR. MAXWELL

Omitted, 1938-39.

16a. Economic Statistics. Primarily for students of Economics and Sociology.*Half course*, first semester. Tu. Th. S., 11.

MR. MELDER

Omitted, 1938-39.

17b. Business Administration. An introduction to business principles and practices. The course seeks to acquaint the student with the leading internal problems of business, and methods or procedures by which the problems are attacked.*Half course*, second semester. Tu. Th. S., 10.

MR. MELDER

Omitted, 1938-39.

117. Principles of Accounting. The organization and use of financial records, with emphasis on their interpretation as well as on the technique of procedure.

Indivisible course.

Through the year. Tu. Th., 11; Th., 2-4.

MR. MELDER

To be omitted, 1939-40.

18. Business Organization and Business Finance. A unified year's work in the structure of modern industry, the financial practices of corporations, and the problem of social control. The second half of this course is open only to students who have completed the first half.

Through the year. Tu. Th. S., 9.

MR. LUCAS

Omitted, 1938-39.

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES**20a. Business Law.***Half course*, first semester. Tu. Th. S., 10.

MR. MELDER

Omitted, 1938-39.

21b. Business Cycles. Analysis of the business cycle, theories of causation of the trade cycle, and various approaches to its control. *Half course*, second semester. Tu. Th. S., 11. MR. MELDER
Omitted, 1938-39.

22. Labor Problems.

Through the year. M. W. F., 11. MR. BRANDENBURG
Omitted, 1938-39.

210a. Economic and Social Reform. The historical and critical study of various programs. Prerequisite, Economics 14.

Half course, first semester. M. W. F., 11. MR. BRANDENBURG
To be omitted, 1939-40.

211b. Contemporary Reform Movements. A continuation of Economics 210a into special fields for selected students. Prerequisite, Economics 210a.

Half course, second semester. M. W. F., 11. MR. BRANDENBURG
To be omitted, 1939-40.

24a. Marketing. An introduction to the economics of marketing. Special attention is devoted to the marketing process as a whole, to specific methods and practices of important markets such as those for agricultural and manufactured goods and services. The course concludes with a summary study of marketing problems and methods practised or proposed for solving these problems.

Half course, first semester. Tu. Th. S., 10. MR. MELDER
To be omitted, 1939-40.

240b. Economics of Consumption. Theories of consumption, the relation of consumption patterns to other aspects of economic organization, private and social controls of consumption; consumer movements, planes of living, and other consumer problems.

Half course, second semester. Tu. Th. S., 10. MR. MELDER
To be omitted, 1939-40.

25b. Problems in Public Finance. Prerequisite, Economics 15a.

Half course, second semester. M. W. F., 10. MR. MAXWELL
Omitted, 1938-39.

26. Government and Industry. An analysis of the proper function of government in controlling economic activity, including theories of control, historical development of control, and such special problems as the regulation of trusts, public utilities, and railroads. Economics 18 desirable.

Three hours, through the year. Tu., 2-4; Th., 2-3. MR. LUCAS

27a. International Trade and International Finance.

The nature, theoretical basis, methods of financing, and governmental control of the international movement of goods. Economics 13 desirable.

Half course, first semester. Tu. Th. S., 9.

MR. LUCAS

28. Research in Selected Economic Problems. Limited enrollment; consent of the instructor required.

Credit and hours to be arranged. THE STAFF OF THE DEPARTMENT

29b. Economics of Transportation. History and present status of rail, water, and highway transport; rate-making; public regulation, government operation, and chief problems of the present.

Half course, second semester. Tu. Th. S., 9.

MR. LUCAS

3. PRIMARILY FOR GRADUATE STUDENTS**31. International Economic Policies.**

Two hours, through the year. M., 7-9.

MR. BRANDENBURG

38a. History of Economic Thought to the End of the 18th Century.

Three hours, first semester. M. W., 2:30-4.

MR. MAXWELL

To be omitted, 1939-40.

38b. Modern Economic Thought. Attention will be given rather to the history of thought than to analytical criticism of specific doctrines.

Three hours, second semester. M. W., 2:30-4. MR. MAXWELL

To be omitted, 1939-40.

39. Value and Distribution.

Three hours, through the year. Hours to be arranged.

Omitted, 1938-39.

MR. MAXWELL

311. Seminar in Economics and Sociology. Fortnightly roundtable on investigations by members of the Seminar. Occasional outside speakers. All full time graduate students in the department are required to attend. Not more than *one hour* credit may be allowed for this course.

Second and fourth Thursdays of each month at 7:30.

THE STAFF OF THE DEPARTMENT

COURSES IN SOCIOLOGY

1. PRIMARILY FOR UNDERGRADUATES

(See also Economics 10 and 11)

11. Principles of Sociology. What is society, and what are its fundamental inter-relationships? In attempting to answer these questions the course gives a comprehensive view of sociology as a social science, and serves as a solid base for further study in the field. Indivisible course.

Through the year. Tu. Th. S., 9.

MR. MELDER

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

(See also Economics 22, 210a, 211b, 240b, and 311)

27a. Educational Sociology. A study of education (organized and unorganized) and intellectual leadership in their relationships to politics, government, the family, religion, patriotism, business cycles, and other socio-economic phenomena. Education in the United States as it is and as it may be, will receive particular attention.

A third hour of credit may be arranged for properly qualified students.

Two hours, first semester.

MR. MELDER

Omitted, 1938-39

DEPARTMENT OF EDUCATION

PROFESSOR VERNON JONES, ASSOCIATE PROFESSOR CATTELL,
ASSISTANT PROFESSOR SUPER

With the coöperation of PRESIDENT ATWOOD, PROFESSOR
CHURCHMAN, and PROFESSOR ILLINGWORTH

GENERAL STATEMENT

In 1936 the trustees of the university voted to establish a Department of Education designed primarily to offer work leading to the degree of Master of Arts in Education.

It has become increasingly evident that candidates for the bachelor's degree who include a few courses in education in their undergraduate programs are not being adequately prepared to meet the demands for scholarly and professional training required by the better school systems. The Department of Education has been es-

tablished with the aim of providing a fifth year of well-organized professional work for students who are interested in preparing for educational work, particularly at the secondary school level. A limited number of courses will be open to juniors and seniors in the undergraduate division upon the consent of the instructor, but the department recommends that undergraduate students concentrate upon the subject-matter fields in which they desire to teach, reserving for the fifth year the professional work in the theory and practice of education.

The requirements for the degree of Master of Arts in Education cannot be adequately stated in terms of courses to be taken, because the evaluation of the work of each student will be made on the basis of achievement rather than on the basis of courses completed. However the minimum essentials in terms of course requirements are outlined below.

UNDERGRADUATE WORK

Properly qualified students of the junior and senior classes may, upon the approval of the instructor, register for any of the courses offered by the department which are designated by a number beginning with the figure 2.

In keeping with the general plan to offer in five years a well-rounded program of teacher training with emphasis on the professional aspects of the training in the fifth year, *an undergraduate major in education is not offered.*

GRADUATE WORK

The rules and regulations stated in the current catalogue (See "Graduate Division"—"Rules and Regulations") as applicable to the degree of Master of Arts also govern the degree of Master of Arts in Education with the following changes and additions:

Course requirements. The student will be expected to elect one of the following groups of studies as the field in which he wishes to teach:

- (a) Mathematics and natural sciences
- (b) History, geography and economics
- (c) Ancient and modern foreign languages
- (d) English, alone or in combination with some related subject

Prior to receiving the degree, the candidate must have completed not less than 5 year-courses in one of the above groups, or in a combination of groups approved by the Department of Education.

At least one year-course of the five must be taken during residence for the advanced degree and must be passed with a grade satisfactory for graduate credit. In addition to the above requirement in the subject-matter field, sixteen semester hours of graduate work in education will normally be required of the candidate during residence. The program of courses to yield these sixteen hours must be approved in advance by the department. Changes in the proportion of education and subject-matter courses may be made by the department on the basis of the candidate's previous training. Work, additional to the above requirements, either in the subject-matter field or in education, or both, may be required if this seems necessary for the adequate preparation of the candidate.

Thesis. The candidate must present a "thesis," or "special report," in which he demonstrates not only his grasp of the subject-matter which he plans to teach but also a mastery of the educational principles necessary for such teaching. The thesis will be adapted to the vocational needs of the candidate and will not be regarded as an index of his capacity for research. In this respect it will differ somewhat from the thesis required of candidates for the degree of Master of Arts in other fields

COURSES IN EDUCATION

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

201a. (Psychology 201a.) Educational Psychology. A study of psychology as it bears upon the problem of education.

Two hours, first semester. W., 4-6.

MR. JONES

202b. (Psychology 202b.) Individual Differences and Educational Adjustments. The course will include a study of the bright, the dull, the psychoneurotic, and the delinquent child. School discipline will also be considered.

Two hours, second semester. F., 4-6.

MR. CATTELL

204b. The Teaching of Modern Languages. A study of the major problems in the teaching of French. Incidental references will be made to German and Spanish. Prerequisite, third-year college French or German course, taken previously or at the same time.

Half course, second semester. Tu., 11; W., 4-6. MR. CHURCHMAN

Offered in alternate years. To be omitted, 1939-40.

205a. The Teaching of English. Methods of teaching poetry, drama, novel, short story, oral and written composition.

Half course, first semester. M., 4-6, third hour to be arranged.

MR. ILLINGWORTH

3. PRIMARILY FOR GRADUATE STUDENTS

302. (Psychology 302) Genetic Study of Normal and Abnormal Personality. Personality will be investigated by clinical, experimental, and biological approaches. A survey of the influences of nature and nurture in determining personality will be included.

Two hours, through the year. Tu., 4-6.

MR. CATTELL

303. (Psychology 303) Guidance of Adolescents. The basic assumptions of guidance, methods and techniques, will be studied during the first semester. The second semester will be devoted largely to case studies and field work.

Two hours, through the year. S., 9-11.

MR. SUPER

308a. Principles of Secondary Education. A survey of the aims, responsibilities, and general methods in secondary education.

Two hours, first semester. S., 11-1.

MR. JONES

Education 309b. Historical Development of Modern Education. The development of modern education in its intellectual and social setting from the time of the Reformation to the present day, with emphasis on American education.

Two hours, second semester. Tu., 4-6.

MR. SUPER

310b. (Psychology 310b) Education for Character and Citizenship. A survey and critical evaluation of the experimental evidence in the field and its application to character and citizenship training in junior and senior high schools.

Two hours, first semester. S., 11-1.

MR. JONES

313a. (Psychology 313a) Statistical Methods. The purpose of the course will be primarily to give practice in the most valuable statistical methods for educational and psychological experimentation.

Two hours, first semester. Th., 4-6.

MR. JONES

314. (Psychology 314) Advanced Educational Psychology: Tests and Measurements. A systematic and critical survey of psychological and educational tests. Both theoretical and applied aspects of testing will receive consideration.

Two hours, first semester. W., 4-6.

MR. SUPER

Two hours, second semester. W., 4-6.

MR. JONES

315. Apprenticeship Teaching. An informal course consisting of extensive apprenticeship work in the field or fields in which

the student plans to teach. Individual supervision to be given by the department and by critic teachers in coöperating schools.

Two hours. Time to be arranged individually with each student.

CRITIC TEACHERS AND MR. JONES

316b. Geography in Education.

Two hours, second semester. Tu., 4:20-6. MR. ATWOOD, SR.

Omitted, 1938-39 and to be omitted, 1939-40. Students interested in this course are referred to Geography 300.

DEPARTMENT OF ENGLISH

PROFESSOR AMES, PROFESSOR DODD, PROFESSOR ILLINGWORTH,
ASSISTANT PROFESSOR HOOVER

English 11 is required of all freshmen. Those who complete the first semester of English 11 with a grade of A— or better may substitute for the second semester of English 11 any second semester course in English literature or composition which is elective for sophomores.

A major in English consists of seven courses, not less than four of which and not more than five must be in English literature or composition and the others either in English literature or in related subjects. The following courses are prescribed for all students electing a major in English: English 13, 15, and three semesters chosen from English 113, 122, 146, 142 (one semester only). English 11 may not be counted as part of a major in English.

A student intending to major in English will be advised by the department in regard to his choice of courses in the major subject and related fields.

THE PRENTISS CHENEY HOYT PRIZE IN POETRY

A prize of fifteen dollars is awarded annually by the Department of English for the best poem by an undergraduate. This is the interest on a fund established by the alumni as a memorial to Prentiss Cheney Hoyt, Professor of English at Clark University from 1909 to 1920.

COURSES IN ENGLISH

1. PRIMARILY FOR UNDERGRADUATES

11. English Composition. The aim of the course is to improve expression in writing and to increase appreciation of literature through weekly practice in writing, particularly in expository writing, and through collateral reading.

Required of freshmen.

Through the year. Tu. Th. S., 11.

MR. HOOVER

12a. Public Speaking. A course in the composition and delivery of speeches and practice in impromptu speaking. The aim of the course is to train the student to think logically and to speak simply and effectively when on his feet.

Open to freshmen.

Half course, first semester. M. W. F., 9. MR. ILLINGWORTH

114a. Elizabethan Drama.

Half course, first semester. M. W. F., 8. MR. ILLINGWORTH

142a. The English Novel. A study of the novel from its beginning to Thomas Hardy.

Open to freshmen.

Half course, first semester. MR. ILLINGWORTH

Omitted, 1938-39.

142b. The Modern Novel.

Half course, second semester. M. W. F., 8. MR. ILLINGWORTH

143b. Argumentation and Debate. A systematic study of the principles and practice of argumentation.

Half course, second semester. M. W. F., 9. MR. ILLINGWORTH

Omitted, 1938-39.

145b. Acting.

Half course, second semester. MR. ILLINGWORTH

146b. Oral Interpretation of Literature.

Half course, second semester. MR. ILLINGWORTH

Omitted, 1938-39.

13a. Shakespeare. A general survey of Shakespeare's works, including the reading and class discussion of twelve plays. Elective for juniors and seniors.

Half course, first semester. M. W. F., 10. MR. AMES

15. A Survey of English Literature. A course in English literature from its beginning to the end of the eighteenth century. Elective for juniors and seniors.

Through the year. Tu. Th. S., 10. MR. AMES

Omitted, 1938-39.

16b. English Composition. Open to students who have attained high standing in English 11.

Half course, second semester. Tu. Th. S., 11. MR. AMES

18b. The Bible as Literature. Elective for juniors and seniors.

Half course, second semester. M. W. F., 10. MR. AMES

110a. Nineteenth Century Poetry. A study of English poetry from Wordsworth to Masfield. Elective for juniors and seniors.

Half course, first semester. Tu. Th. S., 11. MR. AMES

111. American Literature. Readings in American literature, from the colonial period to the present day. The course may be elected for the year or for the first semester only. Elective for juniors and seniors.

Through the year. Tu. Th. S., 10. MR. AMES

112a. Nineteenth Century Prose. English essayists from Lamb to Stevenson. Elective for juniors and seniors.

Half course, first semester. Tu. Th. S., 11. MR. AMES

Omitted, 1938-39.

113a. English Drama. From the mysteries and moralities to Barrie, Shaw and Galsworthy.

Open to freshmen.

Half course, first semester. Tu. Th. S., 9. MR. DODD

121a. Biography and Letters. The biography, autobiography and correspondence of distinguished authors, painters and sculptors, from the eighteenth century to the present. This course is open only to upper classmen who are proficient in English.

Half course, first semester. M. W. F., 9. MR. DODD

122b. Modern Poetry. A study, in representative contemporary poets, of the new tendencies in verse. Opportunity is afforded for original verse composition. Open only to upper classmen who are proficient in English.

Half course, second semester. Tu. Th. S., 10. MR. DODD

124b. American Drama. A study of the American drama from colonial times to the present.

Open to freshmen.

Half course, second semester. Tu. Th. S., 9. MR. DODD

Omitted, 1938-39.

125a. The Short Story. Representative short stories in English and American literature.

Open to freshmen.

Half course, first semester. Tu. Th. S., 9. MR. DODD

Omitted, 1938-39.

126b. Modern Continental Drama. A companion course to Modern English Drama.

Half course, second semester. Tu. Th. S., 9.

MR. DODD

DEPARTMENT OF GEOGRAPHY

A complete statement of the aims and the scope of the offerings in geography will be found in the announcement of the Graduate School of Geography.

DEPARTMENT OF GEOLOGY

PROFESSOR LITTLE

1. PRIMARILY FOR UNDERGRADUATES

12. General Geology. A study of the origin of scenery, the classification of rocks, the structure of the earth, the geography of the past, and the evolution of life. Three recitations and one laboratory period or field trip weekly. (The laboratory period will be utilized in the manner deemed most advantageous by the instructor.) Attendance on one out-of-town field trip lasting two days or more is required.

Indivisible course.

Through the year. M. W. F., 8; Th., 2.

MR. LITTLE

The following courses are offered occasionally on special request of four or more students.

121b. Crystallography, Mineralogy, and Blowpipe Analysis. An elementary course on the identification of minerals by their geometrical, physical and chemical properties. Two class meetings and one laboratory period weekly. General geology is not a prerequisite for this course.

Half course, second semester.

MR. LITTLE

122b. Economic Geology. A study of the origin of the deposits of useful minerals and a discussion of their more important occurrences throughout the world. Elementary chemistry and geology provide a desirable preparation for this course. Two class meetings and one laboratory period weekly. Geology 121 is a prerequisite.

Half course, second semester.

MR. LITTLE

Omitted, 1938-39

DEPARTMENT OF GERMAN

ASSOCIATE PROFESSOR BOSSHARD, ASSISTANT PROFESSOR JANTZ

The Department of German provides courses for the acquisition of a reading knowledge, for the fulfillment of the general requirement in foreign languages and for the completion of a major in German. German 112 is a course for upper classmen and graduate students; the courses numbered 11, 12, 13 form a regular sequence leading up to a good reading knowledge. German 131, "Practice in Speaking and Writing German," is a course preparing especially for advanced work in literature, and for teaching. Credit will be given for only one of the two courses: German 13 and 131. Courses designated as "advanced courses in literature," numbered 141, or higher, have as a prerequisite: German 131, or an achievement test in reading, writing and oral use of the language. Students taking the regular third year course, German 13, will find themselves sufficiently prepared for advanced courses, if they do superior work. A major in German consists of seven courses, including four or five in the department of German and others approved by the department.

COURSES IN GERMAN

1. PRIMARILY FOR UNDERGRADUATES

ELEMENTARY COURSES

11. Elementary German. (Two *independent* sections.) Vocabulary drill, pronunciation and grammar; composition, reading of easy prose. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 9 and Tu. Th. S., 10.

MR. BOSSHARD AND MR. JANTZ

12. Second Year German. Reading, thorough review of grammar essentials, exercises in composition. Prerequisite, German 11.

Open to freshmen.

Through the year. Tu. Th. S., 9.

MR. JANTZ

112. Basic German for Science Students. Open to juniors, seniors, and graduate students. Designed to make possible, with intensive application, the acquisition of a reading knowledge in German in one year, stressing an exact knowledge of the basic vocabulary, the fundamental points of grammar and sentence structure.

Through the year. M. W. F., 1.

MR. BOSSHARD

13. Third Year German. Extensive reading, chiefly in modern literature, grammar review, composition. Prerequisite, German 12. Open to freshmen.

Through the year. Tu. Th. S., 8.

MR. JANTZ

131. Practice in Speaking and Writing. Extensive reading of modern German literature; speaking and writing. After the month of October the course is conducted in German. Prerequisite, satisfactory work in German 12.

Open to freshmen.

Through the year. M. W. F., 8; Tu., 1.

MR. BOSSHARD

132. Advanced Composition. Translations and original themes with stylistic studies. Open to advanced students of German.

Through the year. Tu. Th., 9; S., 11.

MR. BOSSHARD AND MR. JANTZ

14 and 141. Introduction to German Culture. An illustrated lecture course on the cultural development of the German speaking peoples: on their history, folk lore, art, music, and literature. The regular weekly lectures will take place at the Worcester Art Museum, and will be supplemented by the illustrative material available there: books, color prints, photographs, and phonograph records. In addition the museum will provide four to six current German sound films and selected shorter films. For college students there will be an additional class meeting once a week at the university, in two sections: (1) for students desiring to take the course for credit in Division B (Social Science), in which case all the reading and reports will be in English and credit will not be given in Division C (foreign language). Students in this section will be registered in German 14; (2) for students with adequate background in German (three years or the equivalent) desiring to take the course for language credit, in which case a large part of the reading will be in German. Students in this section will be registered in German 141.

Through the year. At Worcester Art Museum. Tu., 4:15-5:55; additional hour to be arranged. MR. JANTZ AND MR. BOSSHARD

Omitted, 1938-39.

ADVANCED COURSES IN LITERATURE

141. Introduction to German Culture. See statement under 14 and 141 above.

Omitted, 1938-39.

151a. Classical and Nineteenth Century German Drama.

Reading and discussion of select plays of Lessing, Goethe, Schiller, Kleist, Hebbel, Wagner, Hauptmann, and others.

Half course, first semester. T. Th. S., 11.

MR. JANTZ

Omitted, 1938-39.

152b. The German Novel of the Nineteenth and Twentieth Centuries. Select novels, and novellen from the Romantic period to the present.

Half course, second semester.

MR. JANTZ

Omitted, 1938-39.

153. Contemporary German Literature. Lectures, readings. In the first semester the course will be conducted largely in English, but in the second in German. A conference course.

Through the year.

MR. BOSSHARD

Omitted, 1938-39.

161a. Lyric Poetry. A survey of representative German lyric poetry.

Half course, first semester. M. W. F., 11.

MR. BOSSHARD

162b. Goethe's Faust. A study of this Drama, its message, and of the poet's own development and the evolution of the literary and philosophic currents of his time.

Half course, second semester. M. W. F., 11.

MR. BOSSHARD

17. Survey of German Literature. Lectures, readings, and assigned topics in German literature from the beginnings to the present, against a background of Germany's historical development.

Through the year. Tu. Th. S., 11.

MR. JANTZ

Omitted, 1938-39.

181. Advanced Studies in Goethe's Faust. Mr. Bosshard is ready to direct competent students who propose plans for special studies in Goethe's Faust. Prerequisite, 162b.

Omitted, 1938-39.

MR. BOSSHARD

182. Advanced Reading in German Philosophy. A brief general introduction to philosophy in general. Reading chiefly of modern German philosophers. Offered each year to qualified students as a private conference course.

Through the year.

MR. BOSSHARD

Omitted, 1938-39.

19. Seminar for Honor Students.

MR. BOSSHARD AND MR. JANTZ

COMPARATIVE LITERATURE

142. European Classics in Translation. A seminar course of limited enrollment open to qualified upper classmen with the consent of the instructor. A few works are studied carefully and in their entirety. They include Dante's *Divine Comedy*, Montaigne's *Essays* (large selection), Cervantes *Don Quixote*, Moliere's *Comedies*, and Goethe's *Faust*. This course fulfills the requirement in art, music and literature. It is not accepted toward the fulfillment of the requirement in foreign language.

Through the year. W., evenings, 8-10, extra conference hour to be arranged. MR. JANTZ

DEPARTMENT OF HISTORY AND
INTERNATIONAL RELATIONS

PROFESSOR BLAKESLEE, PROFESSOR D. E. LEE, PROFESSOR
JORDAN, ASSISTANT PROFESSOR G. A. LEE

UNDERGRADUATE WORK

The aim of the department in its undergraduate work is to give in its several courses a broad knowledge of the more significant aspects of the growth of the leading countries of the world. This includes the study not only of the important facts, but more especially of the processes of development in government, diplomacy, society, business, religion, science, and education.

History 11, primarily for freshmen, is open to members of all classes and is prerequisite for all other courses taken by those majoring in this department. Students who wish merely to fulfill the college requirement in "division B" or those majoring in allied fields who wish to take one or more courses in this department to satisfy their "major" requirements, may, *after the freshman year*, elect any other course whose number begins with (1) without having previously taken History 11. Students who have taken one course in the department and who wish to elect a second course whose number begins with (2) as part of a major in a related department, may do so with the consent of the instructor.

GRADUATE WORK

The distinctive feature of the graduate work is the emphasis it places upon the various aspects of international relations. Without neglecting investigation in the economic, political, and social life of preceding centuries, it stresses the study of the problems and the difficulties constantly arising in the international relations and

diplomacy of the family of states. The field includes not only the United States and the nations of Europe, but also the newer and rapidly developing states of Asia, Latin America, and Africa.

THE DOCTORATE

The various courses offered in the department are so arranged, in cycles of two or three years, that students working for their doctorate will be enabled to secure a full program each year.

A feature of the method of instruction in the department is the frequent informal conferences between instructor and student, and the seminar method in many of the courses.

COURSES IN RELATED DEPARTMENTS

The following courses in related departments may advantageously be taken to supplement major work in the department of history and international relations: geography of North America; political geography; geographic aspects of United States foreign trade; general principles of human geography; geography of Europe; geography of Caribbean America; geography of South America; economic history; international economic policies.

GOVERNMENT AND POLITICAL SCIENCE

The following courses, given in the department of history and international relations, are frequently listed under a separate department of government and political science.

- History 12. European and American Governments.
- History 18. A Survey of International Relations.
- History 231. International Law.
- History 205. History of Political Thought.
- History 30. Problems in International Relations.
- History 33. Foreign Relations of the United States.
- History 313. Constitutional History of the United States.

COURSES IN HISTORY AND INTERNATIONAL RELATIONS

1. PRIMARILY FOR UNDERGRADUATES

11. Introduction to the History of Europe. The course covers the period from the fall of Rome to the present time, and serves as a general introduction to further historical study.

Open to freshmen. See departmental announcement above.

Through the year. Tu. Th. S., 10.

MR. D. E. LEE

12. European and American Governments. The first semester will give a description of the leading governmental systems of Europe; the second will deal with the government and politics of the United States.

Through the year. A divisible course. Tu. Th. S., 11.

To be omitted, 1939-40. MR. D. E. LEE AND MR. G. A. LEE

15. History of England. A general course forming a background for American history and an introduction to an understanding of Britain's place in the present world. Lectures, text-book, collateral reading and quizzes.

Through the year. M. W. F., 10.

MR. JORDAN

Omitted, 1938-39.

17. American History Since 1783. After a brief survey of the American Revolution, the course will treat carefully the period since 1783. Divisible only in special cases with the approval of the department.

Through the year. Tu. Th. S., 9.

MR. G. A. LEE

18. A Survey of International Relations. A general survey of the whole field of international relations which will furnish a foundation for further and more specialized work.

Through the year. M. W. F., 9.

MR. BLAKESLEE

To be omitted, 1939-40.

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

20. Europe Since 1848. The internal and external development of the major European nations with special emphasis on the period from 1870 to the present. History 15 in addition to History 11 desirable as a prerequisite.

Through the year. Tu. Th. S., 11.

MR. D. E. LEE

Omitted, 1938-39.

To be offered, 1939-40.

22. The Pacific and the Far East. The course deals especially with China, Japan, Russia in Asia, the islands of the Pacific, and the Far Eastern policies of the United States.

Through the year. M. W. F., 10.

MR. BLAKESLEE

231. International Law. A general course adapted for advanced students who will do a large amount of outside reading.

Through the year. M. W. F., 9.

MR. BLAKESLEE

Omitted, 1938-39.

To be offered, 1939-40.

238b. The Great Powers in the Mediterranean. A consideration, by lectures and reports, of the Mediterranean Sea area as an important focus of great-power politics from before the World War to the present. Particular attention will be paid to Great Britain's policy and the rise of successive threats to her position.

Half course, second semester. W., 3-5, and a third hour to be arranged. MR. D. E. LEE AND MR. JORDAN

Omitted, 1938-39.

24b. Modern France. The course, beginning with the period of the Renaissance, surveys with greater detail than is possible in History 11 the history of France to 1815.

Half course, second semester. Tu., 3-5 and a third hour to be arranged. MR. D. E. LEE

Omitted, 1938-39.

25a. Recent History of the British Empire. A consideration of the nature and problems of the Empire, mainly in the twentieth century.

Half course, first semester. W., 3-5 and a third hour to be arranged. MR. JORDAN

Omitted, 1938-39.

25b. British India. A survey of European rivalry in India, the work of the East India Company, the development of administration by the crown, and recent developments toward self-government.

Half course, second semester. W., 3-5 and a third hour to be arranged. MR. JORDAN

Omitted, 1938-39.

26. England Since 1760. A general course, stressing the political, economic and social development of the modern commonwealth.

Through the year. M. W. F., 9. MR. JORDAN

27b. Conflicts of Modern Political Thought. A survey beginning with the French Revolution and stressing ideas of present interest.

Half course, second semester. W., 2-4; F., 2-3. MR. JORDAN

28. History of the British Empire. In the second semester the course will deal with developments and problems since 1870.

Through the year. M. W. F., 11. MR. JORDAN

29b. Russia. The aim of this course is to present Russian internal development from the origin of the Kievan state to the

present time with special emphasis on the revolution of 1917 and the Soviet régime since that date.

Half course, second semester. Tu. Th. S., 11. Mr. D. E. LEE
To be omitted, 1939-40.

201. Social and Intellectual History of the United States.

The evolution of American life from the Revolution to the present day, with emphasis upon the social customs, economic influences, racial contributions, religious beliefs, and humanitarian movements.

Through the year. Tu. Th. S., 10. Mr. G. A. LEE

Omitted, 1938-39.

To be offered, 1939-40.

205. History of Political Thought. A historical course, in which the development of thought is stressed rather than the theories of individual writers.

Through the year. M. W. F., 11. Mr. JORDAN

Omitted, 1938-39.

213. Constitutional History of the United States. The Constitution is treated as a growing organism, responsive to the changing political, social and economic conditions of the country.

Through the year. Tu. Th. S., 10. Mr. G. A. LEE

To be omitted, 1939-40.

241a. The United States Since 1876. A synthesis of the political, social and economic forces in the development of the United States since reconstruction. Prerequisite, History 17 or its equivalent.

Half course, first semester. Tu. Th. S., 10. Mr. G. A. LEE

Omitted, 1938-39.

3. PRIMARILY FOR GRADUATE STUDENTS

30. Problems in International Relations. An intensive study of present outstanding problems, especially those which involve the policies, interests, and obligations of the United States.

Two hours, through the year. M., 3-5. Mr. BLAKESLEE

Omitted, 1938-39.

32. Recent International Relations of the United States. A lecture and research course covering the period from the Civil War to the present.

Two hours, through the year. Mr. BLAKESLEE

Omitted, 1938-39.

33. Foreign Relations of the United States. The history of the foreign relations of the United States from 1783 to the present.

Two hours, through the year. M., 3-5.

MR. BLAKESLEE

34a. American Colonial History to 1763. The European background of American history and the political and social development in the colonies.

Two hours, first semester. Tu., 3-5.

MR. G. A. LEE

To be omitted, 1939-40.

305b. Topics in the History of Political Thought. A study of selected men and movements of the nineteenth and twentieth centuries.

Two hours, second semester. W., 3-5.

MR. JORDAN

Omitted, 1938-39.

320. England Since 1830. Students will be expected to read widely and to undertake a small amount of individual research.

Two hours, through the year. W., 3-5.

MR. JORDAN

Omitted, 1938-39.

35a. Tudor and Stuart England. A survey, for mature students, of the period from 1485 to 1688.

Two hours, first semester. W., 3-5.

MR. JORDAN

322a. Selected Topics in Recent British History. Aspects of the period since 1815 will be dealt with but the ground covered will change somewhat from year to year.

Two hours, first semester. W., 3-5.

MR. JORDAN

Omitted, 1938-39.

331. European International Relations Since 1870. A study of the diplomatic history of Europe from the Congress of Berlin to the Locarno agreements, 1925.

Two hours, through the year. Th., 2-4.

MR. D. E. LEE

To be omitted, 1939-40.

333. Topics in the Recent and Contemporary History of Continental Europe. The course will consist chiefly of research by the individual student in problems confronting the European countries at the present day.

Two hours, through the year. Th., 3-5.

MR. D. E. LEE

Omitted, 1938-39.

38a. Post-War Europe. The emphasis in this course is upon international affairs affecting the European powers since 1918,

although some attention is paid to internal developments in the more important states.

Two hours, through the year. Th., 3-5.

MR. D. E. LEE

Omitted, 1938-39.

342. The Influence of Westward Expansion in American Development. The westward movement from colonial times to the passing of the frontier will be discussed in detail.

Two hours, through the year. Tu., 3-5.

MR. G. A. LEE

Omitted, 1938-39.

351. Research in the International Relations of the United States.

MR. BLAKESLEE

352. Research in the International Relations of the Pacific and the Far East.

MR. BLAKESLEE

353. Research in the History and International Relations of the British Empire.

MR. JORDAN

354. Research in the History and International Relations of Continental Europe.

MR. D. E. LEE

355. Research in the History of the United States.

MR. G. A. LEE

37. Research in the Diplomacy of the Far East Since 1900.

Two hours, through the year. M., 3-5.

MR. BLAKESLEE

36. Seminar. The students in the department meet each week to study particular topics in international relations and to consider the results of investigation carried on in the department.

Weekly, through the year. Tu., 7:45.

MESSRS. BLAKESLEE, D. E. LEE, JORDAN, AND G. A. LEE

MATHEMATICS

See announcement of the Department of Physics and Mathematics.

DEPARTMENT OF PHYSICS AND MATHEMATICS*

PROFESSOR GODDARD,† ASSOCIATE PROFESSOR MELVILLE,
ASSOCIATE PROFESSOR ROOPE, MR. MARTIN

UNDERGRADUATE WORK IN PHYSICS

The aim of the undergraduate work in physics is to give to students a knowledge of the principles which are at the basis of modern

*Since September, 1933, the Department of Mathematics has been combined with the Department of Physics, with Professor Goddard as chairman of the combined departments.

†Absent on leave, 1938-39.

applications of science to human affairs. It is deemed equally desirable to impart a knowledge of the methods and results of modern physics which are influencing so profoundly our fundamental concepts and without which no one may hope to be considered liberally educated. The department aims also to fit students with professional preparations for chemistry, meteorology and allied sciences, medicine, engineering and science teaching, as well as for professional or graduate work in physics.

Students should note that Physics 11 is a prerequisite for all other courses in physics here listed; also, that courses numbered 15 or higher require the use of "calculus" and should not be elected without consulting the instructor in charge.

Courses 15, 16 and 17 each require a limited amount of laboratory work to be done at the discretion of the instructor and at such a time that it will not interfere with regularly scheduled courses.

GRADUATE WORK IN PHYSICS

The department has, in recent years, accepted candidates in physics only for the degrees of Doctor of Philosophy and of Master of Arts. Emphasis is placed both upon mathematical physics and upon the completion of an original research problem for which work the laboratories and library provide adequate facilities.

UNDERGRADUATE WORK IN MATHEMATICS

Courses in mathematics are offered at the undergraduate level only. Freshman mathematics (algebra, trigonometry and elementary analytical geometry) is offered in two courses to which students are assigned on the basis of "placement examinations." A second year course including analytical geometry and the calculus is offered to those who complete either of the freshman courses. In addition, Mr. Melville offers such advanced courses, or courses in applied mathematics, as may be required from time to time, depending on the interests of the students.

COURSES IN PHYSICS

1. PRIMARILY FOR UNDERGRADUATES

11. General Physics. During the first semester, the work covers mechanics and heat, and during the second semester, electricity and magnetism, wave motion, sound, and light. The textbook

is Foley's *College Physics*. Mathematics 10 or 11 is advised, but not required. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 10; W. or Th., 2. MR. ROOPE

13. History of Physics. A conference course on the history of the various branches of Physics. This course is not accepted as part of a *major* or a *minor*. Prerequisite, Physics 11.

Through the year.

Omitted, 1938-39.

14. Mechanical, Optical and Electrical Measurements. During the first semester this course consists of electrical measurements with advanced problems in optics. In the second semester the course consists of laboratory exercises in dynamics, followed by advanced problems in heat.

Through the year. Tu. W. F., 2.

MR. MARTIN

15. Thermodynamics. This course includes a study of the thermal properties of the solid, liquid, and gaseous states, the laws of thermodynamics, and applications to a wide range of phenomena. Prerequisite, Physics 11.

Through the year. M. W. F., 9.

MR. ROOPE

16b. Optics. (Given as Physics 15b in 1937-38.) Geometrical and physical optics including work in practical photography. Prerequisite, Physics 11.

Half course, second semester. M. W. F., 9.

MR. ROOPE

17. Introduction to Modern Physics. An elementary treatment of physical experiment and theory of the past fifty years, including the more recent atomic and nuclear developments.

Through the year. M. W. F., 10.

MR. MARTIN

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

22. Theoretical Mechanics. This course is a systematic presentation of theory together with the solution of problems. The textbook is Crew and Smith, *Mechanics for Students of Physics and Engineering*. Mathematics 12 must be taken before or with this course.

Through the year. Tu. Th. S., 8.

MR. ROOPE

Omitted, 1938-39.

23. Theory of Electricity and Magnetism. This course treats the general principles of dynamo and motor design, high-frequency phenomena and the electron theory of matter. The prerequisites are Physics 11 and Mathematics 10 or 11; Mathematics 12 must be taken before or with this course. A knowledge of differential equations is desirable. The textbook is Starling's *Electricity and Magnetism*.

Through the year. M. W. F., 8.

MR. ROOPE

27. Preliminary Mathematical Physics. This course involves reading on specially assigned topics. The object is to provide a comprehensive background for advanced work in physics. Open to undergraduate majors in physics.

Through the year.

MR. ROOPE

Omitted, 1938-39.

28a. Laboratory Methods. A course in the methods of preparing and presenting the results of experiments and the preparation by each student of a report on at least one assigned topic that involves reference tables and literature. Prerequisite, Physics 11.

Half course, first semester. M. W. F., 10.

MR. ROOPE

Omitted, 1938-39.

216. Seminar. Open to all physics students. Occasional meetings. No credit.

THE STAFF OF THE DEPARTMENT

3. PRIMARILY FOR GRADUATE STUDENTS

34. Advanced Mechanics. This course includes vector analysis, the equations of Lagrange and Hamilton, the methods of Hamilton and Jacoby, and Newtonian and logarithmic potential functions together with a discussion of applications to various branches of physics.

Three hours, through the year. M. W. F., 11.

Omitted, 1938-39.

35. Advanced Electricity and Magnetism. The theory of electricity and magnetism is treated from the classical and the modern viewpoints.

Three hours, through the year. Tu. Th. S., 11.

MR. ROOPE

Omitted, 1938-39.

36. The Partial Differential Equations of Mathematical Physics. Included in this course are vector analysis, the methods

of Cauchy and Fourier, developments in series, the methods of Green and Riemann-Volterra, normal functions, and integral equations.

Two hours, through the year.

MR. GODDARD

Omitted, 1938-39.

37. Research Work in Physics. Research work on an original problem in physics. Required of candidates for the master's degree.

MR. ROOPE

311. Methods of Mathematical Physics.

Three hours, through the year.

MR. GODDARD

Omitted, 1938-39.

312. Theory of Elasticity and Dynamics of Fluids.

Three hours, through the year.

MR. GODDARD

Omitted, 1938-39.

313. X-Rays.

Three hours, through the year.

MR. ROOPE

Omitted, 1938-39.

314. Tensor Calculus with Applications in Physics.

Three hours, through the year. Tu. Th. S., 10.

MR. ROOPE

Omitted, 1938-39.

315. Research Work in Physics. Research work on an original problem in physics. Required of candidates for the degree of Doctor of Philosophy.

Omitted, 1938-39.

316. Seminar and Research Conference. A seminar on modern theories of physics, together with conferences on current literature and on the researches in progress.

Once a week, through the year. W., 4-6.

Omitted, 1938-39.

STAFF OF THE DEPARTMENT

317. Selected Topics in Modern Physics.

Three hours, through the year. F., 2-5.

Omitted, 1938-39.

318. Relativity and Wave Mechanics.

Three hours, through the year. M., 2-5.

MR. ROOPE

Omitted, 1938-39.

COURSES IN MATHEMATICS

NOTE: Only freshmen or sophomores may elect *Mathematics 10 or 11* for full credit. Juniors or seniors who complete the work of either of these courses will receive credit for two-thirds of a course.

10. Freshman Mathematics. For students whose preparation is not adequate for course 11. Algebra, trigonometry and graphics.

Open to freshmen.

Through the year. Tu. Th. S., 8.

MR. MELVILLE

11. Freshman Mathematics. For students whose records in "placement examinations" create an expectation that they will be able to proceed more rapidly than those assigned to course 10. Algebra, trigonometry and elementary analytical geometry.

Open to freshmen.

Through the year. M. W. F., 8.

MR. MARTIN

12. Second Year Course. Analytical Geometry, Differential and Integral Calculus.

Through the year. M. W. F., 8.

MR. MELVILLE

13b. Differential Equations.

Half course, second semester. Tu. Th. S., 11. MR. MELVILLE

14a. Selected Topics from Analysis and Geometry.

Half course, first semester. Tu. Th. S., 9. MR. MELVILLE

113. The Mathematics of Statistics. The mathematical foundations of the formulas and measures of elementary statistical procedure.

Half course.

MR. MELVILLE

Omitted, 1938-39.

118. Elementary Surveying. Text, Raymond, *Plane Surveying*.

Half course.

MR. MELVILLE

Omitted, 1938-39.

15a. Advanced Algebra and Theory of Equations.

Half course, first semester. M. W. F., 11. MR. MELVILLE

16b. Selected Topics in Analytical Geometry in Two and Three Dimensions.

Half course, second semester. M. W. F., 11. MR. MELVILLE

19b. Astronomy.

Half course.

MR. ROOPE

Not offered, 1938-39.

DEPARTMENT OF PSYCHOLOGY

PROFESSOR VERNON JONES, ASSOCIATE PROFESSOR CATTELL,
ASSISTANT PROFESSOR BROWN, ASSISTANT PROFESSOR SUPER
*With the cooperation of PROFESSOR HOAGLAND AND ASSOCIATE
PROFESSOR PROSSER of the Department of Biology*

LABORATORY FACILITIES

The psychological laboratories at Clark University were established by G. Stanley Hall immediately after the founding of the university, and constituted the first adequately appointed laboratories in this field in America. These laboratories, under the direction of Edmund C. Sanford and John W. Baird, increased rapidly in size and in research possibilities. The university provides an annual appropriation sufficient for the purchase and manufacture of any apparatus that may be required for general and special investigations.

UNDERGRADUATE WORK

The aim of the department in its undergraduate work is to give as broad a knowledge as possible of the more significant aspects of psychology. This includes courses leading to graduate work in psychology and also courses involving the application of psychological principles to education.

Students majoring in the department will be divided into three groups: first, those who plan to do graduate work in psychology, second, those interested in general psychology but not contemplating graduate work at Clark University, and third, those interested in educational psychology and education. The requirements for each of these classes are somewhat different and all students who are interested should apply to the department for detailed requirements.

GRADUATE WORK

Courses. Students who come well prepared for beginning graduate work, i.e., with adequate training in elementary psychology supplemented by satisfactory training in allied fields may expect to devote nearly all their time during the first year to advanced course-work. Such students will need to devote about half their time to course-work during their second year, and may expect to give the major part of their time to research after the second year.

Degrees. The general university requirements for the master's degree appear elsewhere in this catalogue. The department will supplement these requirements in individual cases where it seems wise to do so. Students planning to become candidates for the master's degree should confer with members of the staff as early as possible in order that a suitable thesis subject may be determined upon.

Only graduate students with superior records are encouraged to become candidates for the doctor's degree. Such candidates will be required to obtain exact information concerning all the significant methods of psychological research and to demonstrate actual ability to use one or more of these methods in an original research which will usually extend over a period of at least two years.

COURSES IN PSYCHOLOGY

1. PRIMARILY FOR UNDERGRADUATES

11. General Psychology. A general introduction to the study of human behavior from the genetic and experimental points of view. Prerequisite sophomore standing.

Through the year. M. W. F., 10.

MR. CATTELL AND MR. BROWN

12a. Psychology of Vocational and Educational Adjustment. The applications of psychology to the problems of learning and vocational choice.

Half course, first semester. M. W. F., 9.

MR. SUPER

180. Introduction to Philosophy. A general introduction to the history of philosophy.

Through the year. M. W. F., 9.

MR. BROWN

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

200a. Social Psychology. A survey of the experimental investigations of group structure and group behavior. Some of the contributions of anthropology to problems in this field will be reviewed. The adjustments between individuals and society also will receive attention.

Half course, first semester. Th., 12-1; F., 4-6. MR. CATTELL

201a (Education 201a). Educational Psychology. A study of psychology as it bears upon the problem of education.

Two hours, first semester. W., 4-6.

MR. JONES

202b (Education 202b). Individual Differences and Exceptional Children. The course will include a study of the bright, the dull, the psychoneurotic, and the delinquent child.

Two hours, second semester. F., 4-6.

MR. CATTELL

203a. Quantitative Analysis of Sensory and Physiological Data.

Half course, first semester. Tu. Th. S., 9.

MR. BROWN

212. Experimental Psychology. A general survey of experimental psychology involving detailed experience with laboratory apparatus.

Through the year. M. W., 2-4; F., 2-6.

MR. BROWN

22b. Dynamics of Abnormal Behavior. A survey of the chief symptoms of abnormal behavior and a consideration of the underlying factors which are responsible for such deviations. Emphasis will be placed on the dynamics of behavior which are common to both normal and abnormal activity. For pre-medical students and advanced students in Psychology.

Half course, second semester. M., 11-12; F., 11-1.

MR. ROSENZWEIG

Biology 201. General Physiology.

MR. HOAGLAND

Biology 204b. Physiology of Central Nervous Systems.

MR. PROSSER

3. PRIMARILY FOR GRADUATE STUDENTS

300. Genetic Psychology.

Omitted, 1938-39.

302 (Education 302). Genetic Study of Normal and Abnormal Personality. Personality will be investigated by clinical, experimental, and biological approaches. A survey of the influences of nature and nurture in determining personality will be included.

Two hours, through the year. Tu., 4-6.

MR. CATTELL

303 (Education 303). Guidance of Adolescents. The basic assumptions of guidance and methods and techniques will be studied during the first semester. The second semester will be devoted largely to case studies and field work.

Two hours, through the year. S., 9-11.

MR. SUPER

307. The Learning Process. A detailed study of the literature of experiments on learning.

Two hours, through the year. M. F., 9.

MR. BROWN

Omitted, 1938-39. To be offered, 1939-40 and in alternate years.

310b (Education 310b). Psychology of Character Development. A survey and critical evaluation of the experimental evidence in the field of character development.

Two hours, second semester. S., 11-1.

MR. JONES

313a (Education 313a). Statistical Methods. The purpose of the course will be primarily to give practice in the statistical methods most valuable for psychological experimentation.

Two hours, first semester. Th., 4-6.

MR. JONES

314 (Education 314). Advanced Educational Psychology: Tests and Measurements. A study of various measures of aptitude, achievement, interest, and attitude. Some practice in the use and interpretation of these methods will be provided. During the second semester attention will be given to test construction and validation.

Two hours, through the year. W., 4-6.

MR. JONES AND MR. SUPER

317b. Factor Analysis. An exposition of the factor analysis methods as they apply to abilities and personality patterns.

Omitted, 1938-39.

MR. CATTELL

To be offered, 1939-40 and in alternate years.

320a. Advanced Experimental Psychology: Sensory Processes. A study of the functions of the sense organs.

Half course, first semester. Tu. Th. S., 9.

MR. BROWN

Omitted, 1938-39. To be offered, 1939-40.

340. Departmental Seminar.

THE STAFF AND VISITING SPEAKERS

350. Research in Psychology.

THE STAFF OF THE DEPARTMENT

DEPARTMENT OF ROMANCE LANGUAGES

PROFESSOR CHURCHMAN, ASSISTANT PROFESSOR DOUGHERTY

Undergraduates should consider carefully the statement of the general requirement in foreign language, for candidates for the A.B. degree.

The French courses are planned with the following ends in view:

French 11 and 12 are the basic language courses. To the student who has completed 12, courses 13 and 14 offer respectively an option between a continuance of general language work and a course limited to translation and literature; both may be taken. Those who wish to continue the study of literature after taking 14 will take course 114, followed by the courses in which the literature is studied intensively; those interested primarily in the study of the language will take 13 and then 17. Course 17 is especially valuable for prospective teachers of French, for whom Education 204b, The Teaching of Modern Languages, may also be of interest.

A major in romance languages may be made up from any reasonable sequence of four or five courses on the level of 13 or 14 above with two or three approved courses in another foreign language or literature, in English or in history. French 11 and 12 and Spanish 11 may not be counted for a major without the consent of the department.

COURSES IN FRENCH

1. PRIMARILY FOR UNDERGRADUATES

11. The Reading Approach to French—For Beginners. Incidental aural work, elements of pronunciation. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 11.

MR. CHURCHMAN

Omitted, 1938–39. To be offered in alternate years.

12. Intermediate. Extensive reading, exercises in composition and pronunciation. Prerequisites, French 11 or two years of high school French. Indivisible course.

Open to freshmen.

Through the year. Tu. Th. S., 10.

MR. DOUGHERTY

NOTE: *Courses 13 and 14 are of approximately equal difficulty. Either may be taken upon the satisfactory completion of French 12 or three years of high school French, but admission of freshmen to course 13 is restricted to specially qualified students.*

13. Composition and Pronunciation. The objective of this course is the correct writing, pronunciation, and aural comprehension of present-day French.

Open to freshmen, subject to the approval of the instructor.

Through the year. Tu. Th. S., 8.

MR. DOUGHERTY

14. Readings in French Literature. The aim of French 14 is two-fold: the attainment of facile reading ability and a general view of modern French literature based upon a detailed study of ten works of representative authors.

Open to freshmen.

Through the year. Tu. Th. S., 9.

MR. DOUGHERTY

113. Introduction to French Civilization. A selective survey of the history, art, literature, and music of France, from the Middle Ages to the present time, given in coöperation with the Worcester Art Museum. Weekly two-hour meetings at the museum are divided between lectures and the showing and discussing of lantern slides and photographs, and, occasionally, the playing of phonograph records. A third hour weekly at the College is arranged for undergraduates. Ordinarily, it is expected that students will have completed French 14 before taking this course, inasmuch as a reading knowledge of the language is highly desirable.

French 113 may be counted in fulfillment of the general requirement in art, music and literature, but not in fulfillment of the requirement in foreign language.

Through the year. Tu., 4:15; W., 12.

MR. DOUGHERTY

Offered in alternate years. To be omitted, 1939-40.

114. General View of French Literature. A unified and fairly complete account of French literature from the beginning to the present time. Prerequisite, course 14.

Through the year. Tu. Th. S., 12.

MR. CHURCHMAN

NOTE: Not more than two of the courses in literature listed below are offered each year. They are restricted to qualified students and are conducted as private conference courses, devoted to wide reading; partly prescribed, and partly along lines suggested by the student's preference, but under guidance by the instructor. Weekly conferences. A short thesis is required in each semester. Before undertaking any of these courses it is ordinarily assumed that the student will have completed French 114 with a grade not lower than B and will have given evidence of ability to do advanced work by himself.

15. Literature of the Seventeenth Century.

MR. DOUGHERTY

115. Literature of the Middle Ages.

MR. DOUGHERTY

16. Literature of the Nineteenth Century.

MR. CHURCHMAN

116. Literature of the Sixteenth Century.

MR. CHURCHMAN

19. Literature of the Eighteenth Century.

MR. DOUGHERTY

119. Contemporary Literature.

MR. CHURCHMAN

17. Phonetics, Advanced Composition and Oral Work.

Intensive linguistic work for intending teachers and other advanced students. Prerequisite, course 13.

Through the year. M. W. F., 10.

MR. CHURCHMAN

Offered in alternate years. Omitted, 1938-39.

Education 204b. The Teaching of Modern Languages.

For description see announcement of "Department of Education."

Half course, second semester. W., 4-6.

MR. CHURCHMAN

Offered in alternate years.

COURSES IN SPANISH

1. PRIMARILY FOR UNDERGRADUATES

11. Elementary. Carefully graded reading; exercises in grammar and pronunciation. Attention is paid to the artistic and cultural achievements of Spain. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 11.

MR. DOUGHERTY

Omitted, 1938-39. Offered in alternate years.

12. Intermediate. Combination of readings from Spanish literature with more advanced study of the language, oral and written. Prerequisite, course 11 or two years of high school Spanish.

Open to freshmen.

Through the year. Tu. Th. S., 10.

MR. CHURCHMAN

Offered in alternate years. To be omitted, 1939-40.

Degrees Conferred

In the Calendar Year 1938

BACHELOR OF ARTS

Parnag Gabriel Adamian
 Samuel Leonard Arnold
 (With honors in Economics and
 and Sociology)

Bedros Baharian
 Donald Blanchard
 John Putnam Blanchard
 Frederick Millea Brandes
 Charles Dwight Briggs, Jr.

Irving William Brulé
 Arthur Lowe Burt
 Ralph Ludvig Carlson
 John Burr Carruthers
 Hubert Morton Cole, Jr.

(With honors in Chemistry)
 Milton Cotzin
 (With honors in German)

Aram Damarjian
 Joseph Francis Danckert
 Nicholas John DeLollis
 Raymond Edgar Fleming
 Armand Joseph Gauthier
 Robert Grant Gibbs
 Joseph Nathaniel Goff

(With Highest Honor in general
 course and honors in History and
 International Relations)

Rocheleau Zephirin Granger
 William David Gray

Vernon Marshall Grout
 (With Honor in general course
 and honors in Economics and
 Sociology)

Anthony John Gryk
 Walter Joseph Howard
 George Alexander Hunter

Jorma Iltanen
 (With honors in History and
 International Relations)

Charles Clark Kellie
 John William Kneller, Jr.

Albert Edwin Knight
 Bernard Kopelman
 Henry Michael Kroll

Alfred Laverty

Donald Henry Letendre
 Reginald David Lidstone, Jr.
 Joseph Sperling Lisabitsky
 Milton Eugene Madorsky
 Andrew Francis X. McCarthy
 Harry Donald McInnis

(With Honor in general course
 and honors in History and Inter-
 national Relations)

William James Nally
 Norman Joseph Nathanson
 Rodney Eric Nelson
 John Barr Parslow, Jr.
 George Michael Peters

Irwin Davis Pottle
 Theodore Pierre Racicot
 Paul Ward Riley
 Eric Arthur Roy
 Vincent Peter Ruseckas
 William James Russell

(With Honor in general course
 and honors in Romance Lan-
 guages)

Fred Karl Scheibe
 Paul Frederick Shaw
 Benjamin Shwadran
 Charles Ellis Spencer
 Albert Theodore Stead
 Saul Reuben Stein

(With High Honor in general
 course)

Harlan Wheelock Stockman
 Earl Ivan Sundeen
 Howard Andrews Titus
 Frederic Myron West
 Philip Damon Wheaton
 Haskell Philip Wolkowich

(With High Honor in general
 course and honors in Economics
 and Sociology)

Irving Jack Yetvin
 (With Honor in general course
 and honors in Economics and
 Sociology)

BACHELOR OF EDUCATION

Evelyn Grey Bond	Mary Ellen O'Connor
Viola Bertha Erikson	Harold Weber Presson
Janet Christina Hays	Joseph Emmett Shea
Florence Fox Killeen	Marie Sullivan
Kathryn Elisabeth Alberta Mahan	Eva May Swartfiguer
Lillian Ruth Maxwell	Ethel Lilas Willard

MASTER OF ARTS

Frederick Elton Ash	Merle William Hammond
Winton Henry Beaven	Robert Eugene Hansen
Helen May Boyer	Mary Geraldine Hatt
Francis Howard Bratton	Margaret Elaine Humeston
Elizabeth Gordon Bridge	Esther Louisa Kistler
Clara Caroline Buehl	John Thiel Kohne
Hester Dorothy Chisholm	Rosemary Mitchell
Robert Russell Cicak	Robert Morse Ney
Joseph Nelson Clifford	Howard Eastman Page
James Irving Culbert	Harry Clarence Parker
Lucile Alice Dillon	David Porter
Mary Ann Dolan	Maria Antonina Sanjurjo
Thomas Lloyd Fletcher	Eleanor Sheedy
Elizabeth Marie Gray	Kathryn Derby Toomey
Lester Philip Guest	Robert Maurice York
Fred Latimer Hadsel, Jr.	

MASTER OF ARTS IN EDUCATION

Harold Gates Allen	Anna Loftus Murphy
Leroy Lendon Dawson	John Joseph Nugent, Jr.
Alfred Sawyer Hodgkins	Toivo David Rosvall
David William Lupien, Jr.	Oiva Axel Terio
Florence Elizabeth McGrail	Arthur Bertrand Warren
Joycelin Irene Morris	

DOCTOR OF PHILOSOPHY

Herman William Dorn	Thomas Kinsella
Albert Philip Giraitis	Rafael Picó
John Paul Goulding	Louis Otto Quam
Charles Leonard Hoag	Mary Catherine Roberts
William Mawhinney Keenlyside	

DOCTOR OF HUMANE LETTERS

(Honorary)

Karl Worth Bigelow	Peng Chun Chang
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DOCTOR OF EDUCATION

(Honorary)

Walter Stevens Young

SUMMARY

Degrees in Course		Honorary Degrees	
Bachelor of Arts	63	Doctor of Humane Letters	2
Bachelor of Education	12	Doctor of Education	1
Master of Arts	31		
Master of Arts in Education	11		
Doctor of Philosophy	9		

Register

Names of students are grouped in four lists. I, graduate students, college students, and special students in attendance during the regular academic year; II, those who attended the 1938 Summer School; III, extension students; IV, candidates for the degree of Bachelor of Education.

I. GRADUATE STUDENTS, COLLEGE STUDENTS AND SPECIAL STUDENTS IN ATTENDANCE DURING THE REGULAR ACADEMIC YEAR

Explanation: S—scholar; F—fellow; HF—honorary fellow; TF—teaching fellow; numerals 39, 40, 41, and 42 are used to classify undergraduates; g—students formally admitted to the graduate division; s—special students; Al—ancient languages; B—biology; Ch—chemistry; Ec—economics and sociology; Ed—education; En—English; G—geography; Ger—German; H—history and international relations; M—mathematics; Mu—music; Ps—psychology.

State omitted—Massachusetts; town omitted—Worcester; street names refer to streets unless otherwise indicated.

This list includes the names of all who have matriculated and registered. An asterisk (*) indicates that the student has withdrawn from the University prior to March 1, 1939. A dagger (†) indicates enrollment for the second semester only.

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Albert, Myron Morton	42	Springfield	Estabrook Hall
Aljian, Richard D.	42	Jersey City, N. J.	Estabrook Hall
*Almgren, Herbert Philip	Ps g		556 Chandler
Alpert, Leo	G F	Roxbury	166 Woodland
Anderson, Paul O.	B s		122 Whitmarsh Ave.
Angelini, Hugo Dominic	42	Clinton	
Arnold, Samuel Leonard	Ec S		148 Elm
Augenstein, Betsy Ann	G g	Marietta, Ohio	156 Woodland
Bagdikian, Ben Haig	41		29 Monroe Ave.
Baharian, Bedros	H g		9 Cottage
Bailey, Sidney Phillips	H g	Northampton	41 Beaver
Balcenoff, Eugene Jacob	40		362 Coburn Ave.
Balcom, Raymond Douglas	40	East Douglas	
Ballou, Marjorie Holbrook	Ps g		Worcester State Hosp.
Barber, Edward Lloyd	Ec g	Wolseley, Sask., Can.	166 Woodland
Barberet, Gene Joseph	41	Oakville, Conn.	Estabrook Hall
Barriere, John Ernest	42		37 Dayton
Bartimo, Frank Antonio	40	Leominster	Estabrook Hall
†Bassett, Linton, Jr.	41	Orange	19 Clifton
Battersby, Kenneth Arthur	G g		910 Main
Becker, Edward Gerard	40		17 Bellingham Rd.
Beckford, Lewis Harrower	40		11 Dunbar
Benoit, Merrill Philip	40	Southbridge	
Berard, Theodore Henry	Ed g	Athol	414 Park Ave.
*Berg, Carl Gustaf	G g		843 Millbury
Bergmark, Robert Edward	42	Southbridge	
Berlin, Sumner Abraham	40	Roxbury	4 Downing
Berman, Ira Bertram	G F	Hempstead, N. Y.	166 Woodland
Bernier, Edward Charles	42	Auburn	
Bernier, Norman Adolphus	40	W. Rutland	
†Bernstein, Benjamin	40		28 William
*Biaggi, Victor Manuel	41	Mayaguez, P. R.	
Bickman, James Saul	39	Dorchester	6 Hancock
Bingley, Howard Olsen	H S	Southbridge	
Biron, Leo Joseph	39	Williamstown	Estabrook Hall
Bolduc, Alfred George	42	Fall River	Estabrook Hall
Boith, Franklin Anderson	Ch g	Church Hill, Md.	14 Birch
Booth, George Eric, Jr.	H S	E. Cleveland, Ohio	116 Woodland
Boynton, Charles Frank	41	W. Boylston	
Braman, Robert Edward	41	Auburn	
Bratton, Francis Howard	Ch F	Elkton, Md.	14 Birch
Brauer, Archie Andrew	39		750 Pleasant
Bredice, Albert Louis	41	Norwalk, Conn.	Estabrook Hall
Bresnick, Jack	42	Dorchester	Estabrook Hall
Brierly, William Biggar	G F	Millbury	
Brigham, Robert Irving	39		17 Poniken Rd.
Brooks, Gordon Hamer	42	Cherry Valley	
Brophy, Dorothy Ann	Ed g		317 Cambridge
Brouillard, Robert E.	Ch S	Northbridge	
Brown, Elinor	Ed g	Leicester	
Bullock, Robert Woods	41		35 Downing
Burbank, John Proctor	42		13 Beaconsfield Rd.
Burner, Richard M.	Ed g		6 Ripley
Burt, Arthur Lowe	G g, S		38 Fales
Butler, Carol Francis	40		81 Kenwood Ave.
†Butler, Philip Hoar	Ger s		81 Kenwood Ave.

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Carini, Robert John	40	Framingham	
Carlson, Ralph Ludvig	Ed g	Paxton	35 Maywood
Carroll, George Joseph	39	Ashburnham	Estabrook Hall
Chabot, Charles Albert, Jr.	41		1 Longfellow Rd.
Chase, Irving Edward	41	Everett	
Chin, Philip Sheu Tung	42		
Churchill, Frederick Jackson	39		114A Mechanic
Clair, John Joseph	41		35 Guild Rd.
Cleveland, Roger William	41		509 Grafton
Clough, Charles Irving	Ed g	Watertown, Conn.	19 Clifton
*Cody, James Wilford	42	Leicester	
Cohen, David Jerome	41	Malden	411 Chandler
Cohen, Harry Harris	41		Estabrook Hall
Cohen, Oscar Paul	Ch S	Dorchester	86 Houghton
Colby, Carroll Durgin	39		
Cole, Hubert Morton	Ch S	Springfield	276 Highland
†Coontz, Gustaf	H s	Mor. Ostrava, Czech.	157 Highland
*Cooper, Joseph Simon	41		30 Institute Rd.
*Cormier, Norman Alfred	42	Leicester	49 Evers
Cossaboom, Robert Thomas	41		6 Dodge Ave.
†Craig, Addison B.	Ed g	W. Boylston	
Craig, William Walter	39	Paxton	
Crocker, Howard William	H F	Middleport, N. Y.	166 Woodland
Damarjian, Aram	Ed g		
Darragh, Charles T.	G g, S	Charleroi, Pa.	25 Bancroft
Daum, Harry	39	Springfield	9 Clifton
Dean, Veva Kathern	G g, S	Cavalier, N. D.	55 Downing
Deering, George Edwin, Jr.	39	Shrewsbury	1300 Main
DeLollis, Emidio Anthony	41		
DeLollis, Nicholas John	Ed g		14 Liscombe
Derr, Virginia Lee	H S	Pittsburgh, Pa.	14 Liscombe
Dilberto, Joseph Francis	39	Brooklyn, N. Y.	6 Birch
Dolan, Lawrence Edward	40		112 Woodland
Dolan, Mary Ann	Ps F		15 Beaver
Donahue, Michael Aloysius	H g		39 Kingsbury
Donohue, Philip Vincent	40		161 Institute Rd.
Doolittle, Clifford Holman	41	Spencer	6 Lowell
*Eggerly, Howard Warren	Ed g		
Edson, Richard A.	42	Gloucester	1008 Main
Edwards, Robert Irwin	40		Estabrook Hall
Eldridge, James Lee	41	Leicester	18 City View
Ellison, Raymond Harold	42		
Epstein, Burton	39		54 West Boylston Dr.
Erickson, Irving Peter	Ed g		138 Elm
Erikson, Carl Rhenhold	39		15 Forestdale Rd.
Everett, Lucius Theodore	41	Jersey City, N. J.	2 Clara
			19 Clifton
Farnsworth, Albert Humphries	G g, S		
Farrar, Reginald George	42		31 Chesterfield Rd.
Feingold, Julian Franklyn	40		166 Summer
Feldman, Max	41		22 Amherst
*Feldman, Theodore Edward	39		128 Hamilton
Feuerstein, Sidney Sumner	42	Jamaica Plain	270 Grafton
Foley, John Breen	40		Estabrook Hall
Fontaine, Mary Elizabeth	G g, S	Clarksdale, Miss.	35 Beaver
Ford, Maxwell John	42	Northboro	166 Woodland
Forzley, Mitchell B.	42		
Foxhall, William Bex	B s	Shrewsbury	88 Locust Ave.
Fram, Paul	40		Worcester State Hosp.
Friedman, Stanley Morton	39		82 Fox
Frieswyk, Henry	42	Whitinsville	158 Morningside Rd.
Frye, Marjorie Evelyn	Ger s	Leicester	
Gadomski, Joseph Anthony	39	Clinton	
Gates, Jesse Arthur	42	Webster	
*Gladding, Albert Hazen	39	Leicester	
Glover, Everett Dow	41	West Millbury	
Goff, Joseph Nathaniel	H S		
Goldberg, Paul Marvin	Ec S	Troy, N. Y.	97 Granite
Goldenberg, Sidney	41		11 Charlotte
Goodwin, Ralph Roger	39	Gardner	94 Cutler
*Graham, David Joseph	42		Estabrook Hall
Granger, Rocheleau Zephirin	Ed g		3 Silver
Greenblatt, Robert Abraham	42	Dorchester	19 Hacker

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Guenther, Richard Alexander	40	Clinton	
Guernsey, Jackson Edwin	G F	Shavertown, Pa.	6 Hancock
Guss, Paul A. H.	42	So. Norwalk, Conn.	Estabrook Hall
Guterman, Bert	39		15 Tahanto Rd.
Haddad, Albert	39		18 Wall
Haddad, Saad Paul	40		87 Norfolk
Haddad, William C.	Ed g		18 Wall
Hadidian, Zareh	B F	Troy, N. Y.	166 Woodland
Hadsel, Fred Latimer	H F	Oxford, Ohio	166 Woodland
Hall, Merle Guy	B s, 42		179 Lincoln
Halpin, Mary Charlotte	Ed g		326 Cambridge
Handleman, Chester	40		33 Beeching
Hanna, Archibald, Jr.	39		12 Perkins
Hanson, Paul Manfred	41		59 King Philip Rd.
Haringa, Raymond	39	E. Douglas	
*Harrington, Lewis Lowe, Jr.	42	Lunenburg	
*Harris, Dorothy Virginia	En s	Millbury	
†Harris, Joseph Edmond	42		15 Westwood Dr.
Hartnett, John Henry	40		22 Lenox
Healy, Edward Michael	41	Watertown, Conn.	Estabrook Hall
Hearn, George Bligh	40		202 Beacon
Hebberd, John Swift	40		80 Florence
Hebert, George Philip	42	Southbridge	
Heimo, Marcel	Ec F	Morat, Switzerland	166 Woodland
Heller, Shirley M.	Ps S	Brooklyn, N. Y.	3 Maywood Place
Hennessy, Robert Norman	40	Westboro	
Herrmann, Frank Clifton	39	Northboro	
Herrmann, William Charles	39	Northboro	
Hickey, Francis Raymond	Ed g		262 Burncoat
Higgins, Charles Albert	39		35 Barnard Rd.
Hill, Raymond Bertil	42		60 Housatonic
†Hjelm, Walter Kenneth	Ed s	Holden	
Holly, John Fred	Ec F	Elizabethhton, Tenn.	166 Woodland
Horne, David Hamilton	42	Concord, N. H.	2 Woodbine
Hotchkiss, Charles Neil	40	Forestville, Conn.	20 Kingsbury
Howard, Fred Hiland	39	Chicopee Falls	19 Clifton
Hubbard, Forrest Walker	41	Gardiner, Me.	Estabrook Hall
Hull, Richard Lester	41	Rockport	Estabrook Hall
Hunter, Richard Edward	41		3 Hockanum Way
Hurwitz, Louis Sidney	40		77 Brantwood Rd.
Irwin, William	H g, S	Philadelphia, Pa.	114 Woodland
*Johnson, Harry Otis	42		9 Tamarack Way
Jones, Elton Clarence	42	Uxbridge	
Jonitis, Peter Paul	39		5 Vernon Terrace
*Jordan, Richard Allan	42		12 Boyden
Jordan, Robert Lincoln	42		19 Freeland
Karpoe, John Paul	41		628 Cambridge
Kelman, Edward Mark	41	Rochester, N. Y.	147 Highland
Kenneway, Harold John, Jr.	39	Brookfield	
†Keough, James Joseph	Ed g	Millville	
Kessler, Bennet Carl	40		41 Derby
Killelea, Edward Thomas	41	Leominster	Estabrook Hall
Killelea, Joseph Henry	40	Leominster	
Kilpatrick, Wallace Dorman	42	Morningdale	
*Kimball, Estelle	Ed g	Holden	
Kinch, Esther Priscilla	G S	Pittsburgh, Pa.	57 May
King, Bernard Thomas	40	Waterbury, Conn.	112 Woodland
King, Mary Frances	Ed g		114 June
Kirby, Francis A.	42	W. Boylston	1202 W. Boylston
†Kirkpatrick, Robert Ford	40		46 Beechmont
Kling, William	Ec g	New York, N. Y.	41 Clifton
Kohne, John Thiel	H F	Duluth, Minn.	166 Woodland
Kopelman, Bernard	Ch g, S	Dorchester	7 Gates
Kos, Walter John	39	Webster	
*Krug, Louis Arthur	H g	Philadelphia, Pa.	114 Woodland
Krzinowek, Alfred Joseph	B s	Rutland	
Kudarauskus, Edmund Nicodem	41		2 Danvers
Kuhn, Donald William	42	Albany, N. Y.	Estabrook Hall
Langenheim, William James	39	Westwood	156 Woodland
LaPrade, Alfred Hervey	42	Spencer	
LaPrade, Albert Joseph	39	Spencer	

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
LaPrade, Charles Norman	40	Spencer	
Larson, Knute G. A.	40	Shrewsbury	
Leffel, Elwood S.	Ps S	Springfield, Ohio	166 Woodland
Lessard, Amos Joseph	40		Estabrook Hall
Letendre, Donald Henry	Ed g	Spencer	
Levine, Aaron Myron	41	New Haven, Conn.	112 Woodland
†Li, Ching-Yuan	G F	Chunking, China	Estabrook Hall
Linehan, Urban Joseph	G S	Bridgewater	166 Woodland
*Lingley, Kenneth Atlee	42	Grafton	
Litchfield, Charles MacMurtry	40	Clinton	
Little, Martin Henry	42	Millbury	
Lloyd, Trevor	G S	Winnipeg, Can.	69 Charlotte
Longo, John Robert	39	Leominster	
Lopez, Manuel Hervé	41	Brooklyn, N. Y.	Estabrook Hall
Lukowski, Joseph Charles	42	Webster	
Lund, Anders Godfrey	40		14 Victoria Ave.
Lund, David Rolf	42	Norwalk, Conn.	31 Millbrook
*Lyon, Bertha Price	H g		28 June
†Macdonald, Gregory John	42	Sturbridge	
MacDowall, Edward William	Ch g		6 Bath
Macfarlane, Sidley Ker	G S	Endicott, N. Y.	6 Downing
MacGaw, Bradford Kuhns	G g	Mount Vernon, Iowa	49 Florence
Mackay, John Ross	39	Toronto, Ont., Can.	6 Oliver
Madorsky, Milton Eugene	Ch S	Springfield	166 Woodland
Malkasian, Henry Aram	39		51 Lincoln
Malkoski, Adolph William	39		51 Ellsworth
*Manning, James A.	Ed g		12 Orne
Marden, Douglas Wyman	39	W. Boylston	
Margolis, Benjamin	42		25 Marion Ave.
Marsh, Frank Eugene, Jr.	42	Rutland	
Marsh, Robert Templeman	42	Northboro	
Martin, Paul Felix	39		11 Fairhaven Rd.
Martin, Richard Blazo	39	Ashburnham	44 Trumbull
Maslowski, Stanley Raymond	42	Indian Orchard	Estabrook Hall
Masoomian, Mary Christine	H g		52 Hollywood
Maykel, William George	42		3 Holbrook
*McAlpine, William W.	Ed g		Worcester Academy
McComas, Robert Francis	Ed g	Spencer	
McInerny, James Alfred	39		29 Coes
McInnis, Harry Donald	H S		439 Chandler
McKenna, James William	Ed g		61 Fox
Merriam, Frederick Stevens	39	Cordaville	
Mikoloski, Edward C.	41, Ec s		109 Ward
Milliefsky, Henry Samuel	39		90 Granite
Miller, Robert Morton	41	Allston	42 Freeland
Milne, Robert Scott	41	Toms River, N. J.	35 Maywood
Minor, Stephen Robert	B g		69 Millbury
Mintz, Bernard Norman	42		7 Woodford
Moberg, Wensel William	39		4 Dybeck
Moriarty, John Francis	40		8 Gardner Ter.
Morin, Philip Edward	42		36 Bridgeport
Morris, Bernard	39	Springfield	42 Freeland
Moulton, Benjamin	39	Northboro	
Myers, Merle Wentworth	G F	Rock Island, Ill.	166 Woodland
Namen, Hanna Anthony	40		349 Park Ave.
Natalizi, John	H F	Syracuse, N. Y.	6 Hancock
Nelson, Paul Julian	42		14 Drummond Ave.
Nelson, Robert Alfred	41	No. Easton	Estabrook Hall
Newberry, Wilberta Ethel	H S	Washington, D. C.	45 Harvard
Niven, Jorman Ilтанen	Ed g		246 Salisbury
O'Brien, Philip Augustin	40		10 Hawthorne
O'Connor, James P.	42	Waterbury, Conn.	Estabrook Hall
O'Connor, John Joseph	40	Waterbury, Conn.	Estabrook Hall
*O'Connell, William Joseph	Ed g		145 Woodland
O'Leary, Mary Carroll	H g		33 May
Olson, Carl William	39		10 Tupelo Rd.
Olson, Walter Albert	39		35 Rockdale
O'Neil, Edward George	41		6 Arlington
*Orr, Helen Ager	Ed g		11 Hawthorne
Ortman, Joseph Frederick	Ed g		64 Beaver
Osborn, Laurence Wilmer	B s		554 Pleasant
Ouellette, Gerard Arthur	41		121 Clark

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Page, Howard Eastman	Ps F	Groton, Vt.	166 Woodland
Pappas, George Fred	40		125 Franklin
Pearson, Charles Mead	42		142 Burncoat
Penley, Geneva Helen	H g	Portland, Me.	70 Downing
Perrone, Samuel Joseph	40		55 Wall
Perry, Henry Barnes	39	Leominster	4 Woodbine
Peters, Louis	42		155 Pilgrim Ave.
†Peterson, Helga E.	s		13 Hanson Ave.
†Peterson, John Axel, Jr.	41		11 Pomona Rd.
Peterson, Warren Stanley	39		14 Pineland Ave.
Phelps, Ernest Davis	G g	Grafton	
Phillips, Frank Edward, Jr.	40		10 Denison Rd.
Phipps, Robert Bradford	41		13 Isabella
Plischke, Elmer O. A.	H F	Milwaukee, Wisc.	87 Murray Ave.
Pogue, Forrest Carlisle	H F	Murray, Ky.	166 Woodland
Pontbriand, Clifford Hector	42	Charlton Depot	Estabrook Hall
Powell, Allen Shedd	39		4 Riedl Place
Powers, George Hugo	39	Shrewsbury	
Powers, Robert Frederick	40	Shrewsbury	
Puniskis, George John	42		27 Lafayette
Rabinow, David Gadalliah	M TF		37 Washington
Racine, Rolland William	42	Oxford	
Raisanen, Toimi Kostl	40	Gardner	
Rajala, Asari	39	Jersey City, N. J.	112 Woodland
Reed, George Maccabee	42		Estabrook Hall
Reichenthal, Eugene Herbert	39	Melrose	350 Mill
Reiner, Elliot Rogers	42	Lancaster	4 Hancock
*Resnick, Harry	40	West Hartford, Conn.	
Ritacco, Frank Edward	41		21 Shirley
*Robbins, Daniel William	42		61 Orient
Roberts, Donald Mitchel	42		18 Boynton
Rochette, Mary A.	Ed g		17 May
Romanoff, Elijah Bravaman	B s	Clinton	27 Windsor
Rome, Harold Daniel	40		Worcester State Hosp.
Rosemark, Clarence Jacob	39	Roxbury	3 Midland
Rosenfield, Norman Philip	42	So. Norwalk, Conn.	6 Hancock
Ross, John Francis	41		Estabrook Hall
Rotshtan, Nathan Jacob	s		62 Suffolk
Roy, Eric Arthur	Ed g		95 Harrison
Rubin, Samuel Howard Leonard	41	New Haven, Conn.	147 Olean
Ryan, Arthur John	39	Webster	112 Woodland
Sagalyn, Julian L.	B g	Springfield	18 Downing
Salter, Thomas Lowell	40		3 Waconah Rd.
*Samuels, Robert Meharg	42	Jersey City, N. J.	Estabrook Hall
Sandberg, Russell Godfrey	42		69 Greenwood
Sanderson, James Brander	41		10 Wabash Ave.
Sands, Matthew Linzee	40	Oxford	Estabrook Hall
Savage, Philip Minot	41, En s		41 Lancaster
Sawicki, Robert Eugene	42		581 Millbury
†Schadegg, Francis John	G F	Cheney, Wash.	35 Maywood
Schmidt, Norman Bernard	41		61 Fairhaven Rd.
Schollard, John	41		36 Shirley
Schultz, Julian	39		13 Jones
Scotland, Robert Howe	42	Cochituate	Estabrook Hall
Scott, Clare	G F	Los Angeles, Cal.	2 Woodbine
*Sebring, Milton Wayne	Ch s	Spencer	
Seaver, Owen L.	41		19 Knox
Shannon, John Joseph	40		41 Ripley
Shapiro, Max Andrew	39	Roxbury	4 Hancock
Shapiro, Nathan	39		60 Arlington
Sherman, John Clinton	G F	Flint, Mich.	166 Woodland
Shields, Richard J.	B s, 41	Agawam	2 Woodbine
Shwadran, Benjamin	H g		20 Tahanto Rd.
Singer, John Jacob	42	Millbury	
Siple, Paul Allman	G F	Erie, Pa.	41 Cedar
Sleeper, Arnold	40		69 June
Small, Cloyd Eldon	Ed g	Kingfield, Me.	Worcester Academy
Smart, Lyndwode Norton Lee	Ed g		37 Oak Ave.
Smith, Edward Arvey	39		17 Jones
Smith, Harry	Ch s		44 Penn Ave.
*Smith, Lewis Austin	G g		584 Cambridge
Smith, Robert MacMurray	42		3 Deerfield
Southwick, Albert Brown	41	Leicester	
Stanhope, William Russell	42	West Brookfield	

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Stead, Albert Theodore	Ed g		16 Sigel
*Stedt, Roland Arthur	42	Holden	
Steere, Howard Clarence	40		88 Elm
Steeves, Frederic Vosmus	39	Leicester	
Stepanski, Matthew	42	Jersey City, N. J.	Estabrook Hall
*Stevens, Joseph Arthur	42	Bethlehem, Conn.	
Stimpson, Robert	42, B s		5 Blaine Ave.
Stirling, William Lang	H s	Vancouver, B. C.	11 Charlotte
Stone, Bernard	41		30 Woodford
Sullivan, Paul Joseph	Ed g		4 Federal Place
Sundeen, Roy Carl	39		48 Channing
Swasey, Harold Edgar	42	St. Johnsbury, Vt.	46 May
Swenson, Elof Folke	41		16 Windsor
†Tao, Shao-Yuan	G F	Shanghai, China	4 Hancock
Taparowsky, James Joseph	40		17 Fox
Tarlov, Malcolm A.	42	So. Norwalk, Conn.	Estabrook Hall
Taylor, George Blaney, Jr.	41	New Britain, Conn.	19 Clifton
Taylor, John Lewis	G g, S	Oriska, N. D.	21 May
Taylor, Robert Clark	39	Stoneham	4 Downing
Thibault, Elizabeth Voorhees	G g		35 McKinley Rd.
Thomas, Emrys Price	40		2 King
Thompson, John Henry	41		86 Elm
Toomey, Kathryn Derby	H F	Spencer	
Torney, Leonard Llewellyn	Ger s		28 Richards
Travers, George Edward	41	Port Jefferson, N. Y.	Estabrook Hall
†Trudeau, Lionel Raoul	Ed g	Bellingham	
Tufts, Donald Irving	42	Westboro	Estabrook Hall
Underwood, Francis Milot	Ed g		6 William
Upham, Sidney Dayton	40	Sterling	4 Woodbine
Valentine, Leslie Warren	42		18 Shepard
Varjabedian, Anthony	41		129 West
Viens, Roger George	41		178 Hamilton
†Waite, Nancy Crawford	H g	Southbridge	
Walker, Margaret Cullver	G F	Oakland, Calif.	118 Woodland
†Ward, Ethel Gladys	s		124 May
Warren, Arthur Bertrand	Ps S		117 Beaconsfield Rd.
Watkins, Eugene Leonard	40		41 Plantation
Webber, Henry	42	Cumberland Mills, Me.	Estabrook Hall
Webster, William Henry, Jr.	41	Providence, R. I.	90 Maywood
West, Anthony Joseph	G F	Brockport, N. Y.	188 Massasoit Rd.
Wheaton, Philip D.	Ed g	Putnam, Conn.	
*White, Francis W.	B s		57 Alvarado Ave.
White, William Thomas	Ed g		180 Canterbury
Whitney, John Frank	40	Orange	112 Woodland
Wilder, Arthur Stanley	Ch g		517 Park Ave.
*Willard, Luther Lincoln	G g		470 Granite
Wilson, Harper Hubert	Ec S		8 Lowell
Winchester, George Albert	42		40 Clover
Winterbottom, Lemuel Joseph	En s	Paxton	
*Wolczak, Stanislaus Michael	42		195 Millbury
Wolk, Elliot Samuel	40	Springfield	36 Barclay
Yagjian, Ralph Avedis	42		3 Lapierre
Yesukevich, John Frank	42	Boston	356 Greenwood
*York, Robert Maurice	H F	Wilton, Me.	18 Shepard
Zembrak, Nathan	42		16 Wabash Ave.
Zeller, Rose	G F	Springfield, Ill.	166 Woodland

II. SUMMER SCHOOL STUDENTS (1938)

An asterisk (*) indicates participation in a field trip only.

Adams, Martha L., Worcester	Bartimo, Frank A., Leominster
Ahearn, Margaret M., Worcester	Bavis, Eleanor, Worcester
Albert, Shirley, Worcester	Bavis, Elizabeth, Worcester
Anderson, Geraldine A., Ridgway, Pa.	Beauregard, Marion R., Worcester
Antoun, Nora, Shrewsbury	Becker, Edward G., Worcester
Bacon, Virginia, West Boylston	Berard, Theodore H., Athol
Baharian, Bedros, Worcester	Bernier, Norman A., Rutland
Baharian, Vera, Worcester	Bertrand, Aloysius, North Grafton
Ballard, Agnes, W. Palm Beach, Fla.	Biron, Leo J., Williamstown

- Bowman, Esther, Marlboro
 Boyer, Helen M., Washington C. H., Ohio
 Brophy, Dorothy A., Worcester
 Brulé, Irving W., Worcester
 Buckley, Lenore, Worcester
 Bullard, Elizabeth C., Rochdale
 Burke, Beatrice, Hammond, Ind.
 Burkill, Gracia M., Spencer
 Burton, Ethel S., Worcester
 Callahan, Winifred C., Worcester
 Carey, Blaind, Worcester
 Carey, Helen M., Worcester
 Carey, Henry B., Worcester
 Carlson, G. Virginia, Worcester
 Carmody, Catherine A., Worcester
 Carroll, Lillian C., Worcester
 Catlin, Winton I., New Britain, Conn.
 Cauffield, Arthur J., Maryville, Mo.
 Chin, Philip S. T., Worcester
 Coates, Luella M., Findlay, Ohio
 Collette, Amanda E., Fisherville
 Coney, Lawrence A., W. Brookfield
 Cooley, Leon W., Worcester
 Cooper, Eleanor, Rochdale
 Crane, Lloyd E., Worcester
 Dana, Elizabeth M., Worcester
 Daum, Harry, Springfield
 Davenport, Marjorie, Grafton
 Deering, Agatha, Shrewsbury
 Derby, Elizabeth, Spencer
 Diehl, Lee H., Shippensburg, Pa.
 Dion, Paul E., Southbridge
 Dobbins, Catherine L., Brooklyn, N. Y.
 Donelan, Mary, Worcester
 Douglas, Hammond B., Jr., Worcester
 Dudley, Elizabeth G., Webster
 Eaton, Louise S., Worcester
 Ekblaw, Neil W., N. Grafton
 Erskine, Harriette M., Worcester
 Estabrook, Rita C., Worcester
 Feeney, Franklin, Worcester
 Foley, Gertrude E., Worcester
 Fontaine, Mary Elizabeth, Clarksdale, Miss.
 Forzley, Mitchell B., Worcester
 Fox, Virginia M., Worcester
 Frey, John A., Grafton
 Gatti, Mentana, Worcester
 Gilligan, Frances O., Worcester
 Gilmore, Flora, Worcester
 Gordon, Lillian, Worcester
 Gore, Erma W., Worcester
 Greenawalt, Norman E., Shippensburg, Pa.
 Hall, Evelyn J., Worcester
 Hallock, Robert P., Jr., Worcester
 Halloran, Ellen, Worcester
 Halpern, Gertrude, Worcester
 Handel, Hazel, E. Cleveland, Ohio
 Handleman, Chester, Worcester
 Harrington, Edward M., Worcester
 Hazen, Benjamin, Bristol, R. I.
 Hebbard, John S., Worcester
 Henderson, Donald, Worcester
 Hill, Paul D. B., Stoneham
 Holland, Lillian M., Bradford
 Houle, Lawrence R., Warren
 Hunter, Annie M., Webster
 Jacobs, Elizabeth, Worcester
 Jenckes, Alison, E. Douglas
 Johnson, Georg A., Rossville, Ind.
 *Johnson, K. Jane, Detroit, Mich.
 Jones, Elton C., Uxbridge
 Kelly, Rita, Spencer
 Kendall, Barbara, Worcester
 Kennedy, Elaine E., Monson
 Kennedy, Irene M., Worcester
 Killeen, Florence F., Worcester
 Kimball, Estelle, Northboro
 King, H. Barbara, Worcester
 Kirby, Francis A., W. Boylston
 Kirkpatrick, Robert F., Worcester
 Kistler, Esther L., Nanticoke, Pa.
 Laine, Iver, Worcester
 Lajoie, Antoinette, Worcester
 Lang, Katherine J., Plymouth
 Lanphear, Dorothy M., Southbridge
 Lathrope, Frances M., Kankakee, Ill.
 Lerer, Albert, Maynard
 Letendre, Donald H., Spencer
 Lidgate, James A., Worcester
 Lingley, Kenneth A., Grafton
 Little, Emma, Worcester
 Long, Harriet R., Buffalo, N. Y.
 Love, Elizabeth P., Auburn
 McAleer, Myles R., Worcester
 McCarthy, Ann E., N. Brookfield
 McGinnis, Richard L., Milford
 McKeon, Florence C., Worcester
 Madden, Charles H., Wakefield, Nebr.
 Mahoney, Rose M., Worcester
 Mandeville, Kathryn, Worcester
 Marsh, Carl G., Worcester
 Martens, Eva A., Franklin Park, Ill.
 Masoomian, Mary C., Worcester
 Matson, M. Cecile, Millbury
 Maxim, Dorothy L., Scituate
 Maxwell, Lillian R., Worcester
 Mayall, Ruth W., Oxford
 Mayers, Margery, Millbury
 Melton, Nell L., Atlanta, Ga.
 Merrifield, Helen E., Worcester
 Meyer, Jean, Shandaken, N. Y.
 Mitchell, Rosemary, Marlboro
 Monahan, Katherine V., Worcester
 Moore, Margaret C., Worcester
 Moran, H. Agnes, Worcester
 Morris, Joycelin I., Worcester
 Moulton, Benjamin, Northboro
 Murphy, Mary F., Worcester
 Murphy, Mary M., Washington, D. C.
 Naumik, Stanley A., Auburn
 Nocchi, Jean, Worcester
 Nugent, Elizabeth M., Auburn
 Nugent, John J., Jr., Auburn
 O'Connell, William J., Worcester
 O'Connor, Edward J., Worcester
 O'Connor, J. Francis, Worcester
 O'Leary, Agnes, Worcester
 Olson, Carl W., Worcester
 Ouellette, Gerard A., Worcester
 Overhulser, Nellie J., Washington, D. C.
 Parker, Freida M., E. Douglas
 Parks, Ruth M., Birmingham, Mich.
 Pelletier, Hector E., Worcester
 Perry, Henry B., Leominster
 Peters, Louis, Worcester
 Peterson, Helga E., Worcester
 Philie, Jules I., Forestdale, R. I.
 Piper, Ada Gray, Washington, D. C.
 Poulin, Eva A., Worcester
 Powers, James J., Jr., Worcester
 Presson, Harold W., Worcester
 Quinn, Margaret, Whitinsville
 Quirk, Mary E., Haverhill
 Racicot, Theodore P., Webster
 Renner, Agnes C., Pelican Rapids, Minn.
 Rice, Rebecca, Worcester
 Robbins, Daniel W., Worcester
 Roberts, Florence E., New Kensington, Pa.
 Rourke, Elizabeth A., Worcester
 Rush, Anne S., Scottsville, N. Y.
 Russell, William H., Belmont
 Rutherford, Mary G., Oakham
 Salter, Thomas L., Worcester
 Sanford, Florence C., N. Grafton

Savaria, Gaspard M., Woonsocket, R. I.
 Schneider, Noreen F., Fulton, N. Y.
 Shaw, Margaret M., Worcester
 Shields, Richard J., Worcester
 Skogsberg, Paul L., Worcester
 Smith, J. Russell, Worcester
 Smith, Linda C., Cortland, N. Y.
 Stevens, James M., Worcester
 Stromberg, Dorothy P., Worcester
 Swartfiguer, Eva M., Poughkeepsie, N. Y.
 Sweet, Emma B., Albuquerque, N. M.
 Thornton, Jessie M., Worcester
 Tufts, John L., Worcester
 Underwood, F. Milot, Worcester
 Upham, Sidney D., W. Boylston
 Ward, Ethel G., Worcester

Warren, Eleanor L., Leicester
 Watson, Frederick E., Leicester
 Webber, Henry, Cumberland Mills, Me.
 Webster, William H., Jr., Providence, R. I.
 Wheeler, Florence E., Rutland
 White, William T., Worcester
 Whiting, Eleanor, Worcester
 Wiback, Helen, Worcester
 Willard, Ethel L., Worcester
 Winchester, George A., Worcester
 Wood, Walter D., Worcester
 Woods, Thomas J., Worcester
 Woodward, Albert H., Worcester
 Wright, Deseret, Worcester
 Young, Maude A. M., Worcester

III. EXTENSION STUDENTS

1938-39

Adam, Vera G.
 Adshead, Mona
 Alden, Clara L.
 Allen, Virginia
 Amidon, Dorothy A.
 Anderson, Beatrice R.
 Anderson, Marion
 Appleton, Hilda M.
 Babson, C. Amy
 Bachelor, Bernette
 Bacon, Mildred L.
 Baker, Ruth C.
 Ball, Virginia
 Bartlett, Lucia R.
 Barton, Elizabeth
 Bass, Zelda
 Baxter, Emma F.
 Beauregard, Marion R.
 Beck, Mildred L.
 Berry, Leslie S.
 Bloom, Edith M.
 Boylan, Irene M.
 Bragdon, Joseph H.
 Bringham, Ruth M.
 Brown, Lena
 Buckley, Catherine B.
 Buckley, Florence E.
 Buckley, Helen T.
 Bullock, Vera H.
 Burhans, Edith L.
 Burke, John F.
 Cahill, Anna G.
 Cahill, Catherine M.
 Calhane, Lucy F.
 Carey, Bland
 Carey, Helen M.
 Carleton, Herbert M.
 Carlson, G. Virginia
 Carmody, Catherine A.
 Carney, Grace L.
 Carroll, Lillian C.
 Clark, Elizabeth H.
 Clark, Helen B.
 Coe, Elizabeth H.
 Cohen, Lewis
 Cole, Barbara C.
 Collins, Mildred E.
 Collyer, Madeline L.
 Cook, Gertrude H.
 Crowe, Robert S.
 Cunningham, Helen M.
 Currie, Inez M.
 Daggett, Marie A.
 Daniel, Elisabeth C.
 DeLaMater, Gertrude

Dewar, Margaret H.
 Dolan, Margaret E.
 Doran, Mary A.
 Dorman, Albert X.
 Early, Mary
 Eaton, Louise S.
 Erickson, Daisy R.
 Ferguson, Esther A.
 Foley, Gertrude E.
 Freeman, Cecile E.
 Frost, Mabelle S.
 Fuller, Magdalen L.
 Gadon, Irene D.
 Gallagher, Anne L.
 Galvin, Della E.
 Gatti, Mentana
 Gatti, Ora S.
 Gilliland, Ada A.
 Grace, Eugene J.
 Griswold, Evelyn L.
 Guilfoyle, Catherine A.
 Halloran, Ellen B.
 Handel, Gertrude
 Harrington, Mary M.
 Harris, Dorothy V.
 Harris, Pierson P.
 Haynes, Howard W.
 Healy, Marguerite A.
 Hickey, Marion R.
 Hillman, Victor E.
 Hoffman, Sarah D.
 Holland, Marie K.
 Holly, Mary A.
 Horne, Dorris E.
 Jacobson, Ida
 Jackson, Ira H.
 Jaffe, Rose
 Jepsen, Lillian O.
 Johnson, Stephen R.
 Joyce, Edward F.
 Judson, Margaret P.
 Kalin, Charlotte
 Keith, Eliza C.
 Kemp, Avis M.
 Kendall, Grace P.
 Kenney, Helen
 Lane, Frances E.
 Lantz, Virginia E.
 Lapniewski, Sophia E.
 Lincoln, Harriet B.
 Lincoln, Leslie B.
 Lisabitsky, Sylvia
 Locke, Mabel R.
 Long, Alice M.
 Loungway, Lillian A.

MacDonald, Elizabeth F.
 McClure, B. Evelyn
 McDonald, James P.
 McGrail, Marion V.
 McKenna, George W.
 McKeon, Florence C.
 Macklin, Ralph W., Jr.
 Mahoney, Margaret V.
 Mahoney, Rose Mary
 Malcolm, Alice A.
 Mara, Helen B.
 Marble, Sarah A.
 Marlborough, Mary E.
 Marshall, Nora A.
 Matson, M. Cecile
 Matthews, Bertha E.
 Maykel, Albert E.
 Maynard, Gertrude
 Mayo, Ralph C.
 Medin, Elin E.
 Meltzer, Murray
 Merrifield, Helen E.
 Metcalfe, Gladys M.
 Michie, Jeanne H.
 Miner, Ethel M.
 Monahan, Katherine V.
 Moran, Honora Agnes
 Mower, Elsie D.
 Muir, Elisabeth
 Murdock, Louise H.
 Murphy, Ellen F.
 Murphy, Joseph D.
 Nash, Warren F.
 Newhall, Barbara V.
 Nygard, Alice I.
 O'Brien, Margaret W.
 O'Connor, Deborah F.
 O'Grady, Winifred L.
 Ohrn, I. Marie
 Osborn, Elizabeth
 Paradise, Doris F.
 Parker, Freida M.
 Patten, Rachel H.
 Person, Ann T.
 Peterson, Helga E.
 Pierpont, Janet W.
 Pollock, Ruth E.
 Power, Ann V.
 Power, Gertrude C.
 Powers, Augustine B.
 Prew, Winifred T.
 Quigley, Helen T.
 Quirk, Catherine
 Randolph, Virginia
 Reardon, Margaret U.

Reed, Ann P.	Sherman, Frieda L.	Tripp, Mary E.
Reeves, Caroline M.	Shulinski, Sophie R.	Twiss, Marion D.
Regan, Mary E.	Sigel, Gertrude H.	Tyrrell, Ruth W.
Riley, Agnes C.	Skinner, Esther E.	Van Buskirk, Edith M.
Robinson, Grace	Sloan, Helen L.	Vandlan, Nora P.
Rollins, Ellen H.	Smith, Martha A.	Vibber, Foster L.
Rosenblum, Sophie	Sniederman, Fannie	Walker, Viola W.
Rothemich, Anna B.	Spets, Esther K.	Ward, Ethel G.
Rourke, Elizabeth A.	Sprague, Marion G.	Warren, Elizabeth R.
Russell, Ethel S.	Squier, Phyllis E.	Wassall, Helen B.
Russell, Sadie L.	Stanbrough, May	Watson, Madeline H.
Russell, Virginia	Stirewalt, Meta E.	Whipple, Mary Ella
Rylander, Martha S.	Stonequist, Mabel A.	White, Ruth M.
Salminen, M. Irene	Sullivan, Catherine A.	Wiley, May H.
Savage, Philip M.	Sullivan, Gertrude L.	Willar, Sarah
Schanberg, Bernice R.	Sullivan, John J.	Wilmarth, Madelin A.
Schwager, Ethel J.	Sullivan, Margaret M.	Wilson, Muriel
Scott, Charlotte H.	Sullivan, Mary A.	Worth, Helen F.
Shallenberger, Mary A.	Sundeen, Ethel S.	Wright, Helen L.
Shea, Ella G.	Taft, Marion E.	Wyman, M. Louise
Shepard, Harold A.	Thompson, Stanley W.	Young, Maude A. M.
Sheperdson, Mary H.	Tormey, Anita L.	

IV. CANDIDATES FOR THE DEGREE OF BACHELOR OF EDUCATION
IN ATTENDANCE DURING 1938-39, EITHER IN THE 1938
SUMMER SCHOOL OR DURING THE REGULAR
SESSIONS OF THE UNIVERSITY

(Each of these names will be found also in one or more of the preceding lists)

Amidon, Dorothy A.	Kennedy, Elaine E.	O'Grady, Winifred L.
Anderson, Geraldine A.	Kenney, Helen	Peterson, Helga E.
Babson, C. Amy	Locke, Mabel R.	Power, Gertrude C.
Beck, Mildred L.	Long, Alice M.	Quigley, Helen T.
Buckley, Helen L.	MacDonald, Elizabeth F.	Regan, Mary E.
Cahill, Anna G.	McKeon, Florence C.	Rollins, Ellen H.
Cahill, Gertrude M.	Mahoney, Margaret V.	Rotshtan, Nathan J.
Carlson, G. Virginia	Mahoney, Rose Mary	Rourke, Elizabeth A.
Carney, Grace L.	Marlborough, Mary E.	Rush, Anne S.
Carroll, Lillian C.	Matson, M. Cecile	Salminen, M. Irene
Cunningham, Helen M.	Maynard, Gertrude	Scott, Charlotte H.
Early, Mary	Medin, Elin E.	Sniederman, Fannie
Eaton, Louise S.	Miner, Ethel M.	Sullivan, Catherine A.
Foley, Gertrude E.	Moran, Honora A.	Sullivan, Margaret M.
Gatti, Mentana	Newhall, Barbara V.	Sullivan, Mary A.
Galvin, Della E.	Nygard, Alice I.	Ward, Ethel G.
Jaffe, Rose	O'Connor, Deborah F.	Wilmarth, Madelin A.

Summary 1938-39

Undergraduates		262
Freshmen	83	
Sophomores	60	
Juniors	57	
Seniors	62	
Graduate Students		120
Special Students		23
Extension Students		230
Summer School Students (1938)		203
Total		838
Less duplications		59
Net Total		779

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CLARK UNIVERSITY

Commencement Week

PROGRAM

1939

THURSDAY, JUNE FIRST

Senior Dinner Dance 8:30 P.M.
Wachusett Country Club

FRIDAY, JUNE SECOND

Alumni Council 4 P.M.
Lounge Room, Alumni Gymnasium

SATURDAY, JUNE THIRD

Class Day Exercises 10:30 A.M.
On the President's Lawn, weather permitting

Alumni Business Meeting 11:30 A.M.
Room 105

Alumni Luncheon 1 P.M.
Alumni Gymnasium

Band Concert on the Campus 3:30-4:30 P.M.

President's Reception 5-7 P.M.

Class Reunions 6:30 P.M.

Clark University Players 8:30 P.M.
will present FASHION
Atwood Hall

SUNDAY, JUNE FOURTH

Baccalaureate Sermon 11 A.M.

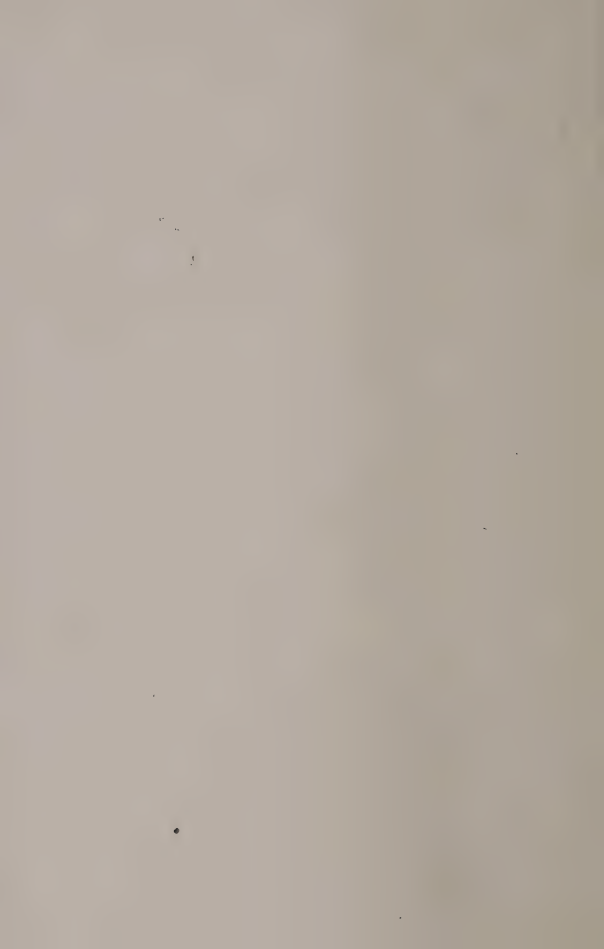
Dr. William Lyon Phelps
Atwood Hall

Commencement Exercises 4:30 P.M.

Address by Dr. Ralph Barton Perry
Atwood Hall

President and Mrs. Atwood will be at home Saturday, June third, from five to seven to the Candidates for Degrees, their Commencement guests, members of the University, and Alumni.

Special reunions will be held by Classes of 1909, 1914, 1919, 1924, 1929, 1934, 1936, and 1938. Early reservations for the Commencement week events should be made through the Alumni Office, otherwise tickets cannot be guaranteed. Tickets for the Alumni Luncheon are \$1.00; for the Senior Dinner Dance, \$5.00 a couple; for the play "Fashion", fifty cents.



CLARK UNIVERSITY



BACCALAUREATE
SERVICES



In Atwood Hall

June the Fourth, Nineteen Hundred and Thirty-nine

At Eleven O'Clock

PROGRAM



PRELUDE—Second Movement from Quintet, Opus 44

Robert Schumann

PROCESSIONAL—March from "Athalia"

Felix Mendelssohn-Bartholdy

THE UNIVERSITY CHOIR—Grant Us to Do with Zeal

J. S. Bach

Lo, How a Rose e'er Blooming *Michael Praetorius*

SCRIPTURE READING

Wallace W. Atwood

THE UNIVERSITY CHOIR—The Heavens Proclaim Him *Ludwig van Beethoven*

HYMN—St. Anne

SERMON—Truth and Poetry

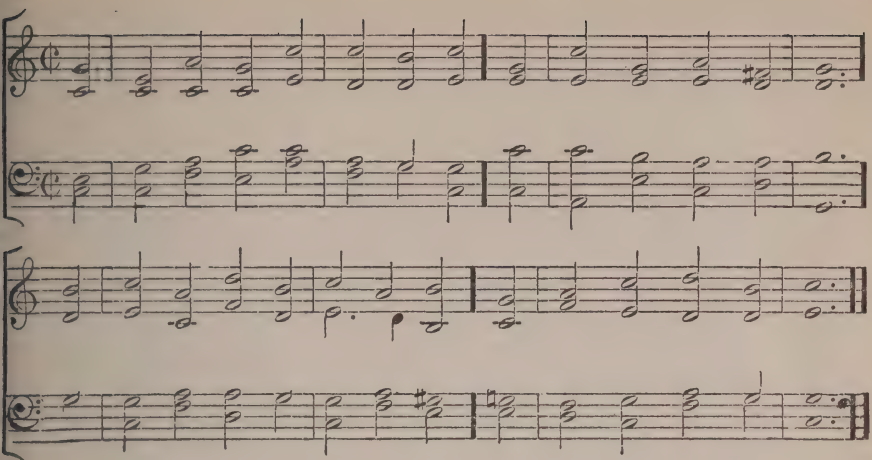
William Lyon Phelps

HYMN—Old Hundredth

BENEDICTION

RECESSIONAL—March from "Athalia"

Felix Mendelssohn-Bartholdy



T. ANNE C.M.

O God, our help in ages past,
Our hope for time to come,
Our shelter from the stormy blast,
And our eternal home.

Before the hills in order stood,
Or earth received her frame,
From everlasting Thou art God,
To endless years the same.

Under the shadow of Thy throne
Thy saints have dwelt secure;
Sufficient is Thine arm alone,
And our defense is sure.

A thousand ages in Thy sight
Are like an ev'ning gone;
Short as the watch that ends the
night
Before the rising sun.

O God, our help in ages past,
Our help for time to come,
Thou art our guide while ages last,
And our eternal home.

Isaac Watts

(St. Anne is taken from the famous "Worcester Collection,"
printed in this city by Isaiah Thomas in 1786.)

OLD HUNDREDTH L.M.

Be Thou, O God, exalted high,
And as Thy glory fills the sky,
So let it be on earth displayed,
Till Thou are here and now obeyed.

(Old Hundredth is the only hymn popularly surviving today from the "Bay Psalm Book" the first book printed in America, at Cambridge in 1640.)



THE UNIVERSITY CHOIR

H. EARLE JOHNSON, *Director*

Eugene Balcanoff

Lewis Beckford

Ralph Carlson

Carroll Colby

David Cohen

Henry Freiswyk

Everett Glover

Merle Hall

Chester Handleman

Edward Killilea

Edmund Kudaurskas

William Langenheim

Robert Milne

Eugene Reichenthal

Arnold Sleeper

Elof Swenson

Matthew Sands

Donald Tufts

Eugene Watkins

Philip Wheaton

The audience is requested to stand while the procession leaves the hall.

CLARK UNIVERSITY

The Forty-ninth Annual Commencement

JUNE 4 1939



WORCESTER MASSACHUSETTS

Order of Exercises

Processional: March from Sonata No 2 in D *George Frederic Händel*

Invocation WILLIAM LYON PHELPS PH D LITT D LL D
Lampson Professor of English Literature Emeritus
Yale University

Commencement Address The New Idolatry
RALPH BARTON PERRY PH D LITT D
Edgar Pierce Professor of Philosophy
Harvard University

Statement by the President

Announcement The Edmund C Sanford Scholarship
The Prentiss Hoyt Prize in Poetry

Conferring of Degrees

Benediction

Recessional: March from Athalia *Felix Mendelssohn-Bartholdy*

The audience will kindly remain
standing during the recessional

Archie Andrew Brauer

Candidates for the Degree of Bachelor of Arts

James Saul Bickman
Leo Joseph Biron
Robert Irving Brigham
George Joseph Carroll Jr
Frederick Jackson Churchill
William Walter Craig
Harry Daum
George Edwin Deering Jr
Joseph Francis Diliberto
Burton Epstein
Theodore Edward Feldman
Joseph Anthony Gadomski
Albert Haddad
Frank Clifton Herrmann
Charles Albert Higgins Jr
Peter Paul Jonitis
Harold John Kenneway Jr
Roland Charles Kimball
William James Langenheim
Albert Joseph LaPrade
John Robert Longo
Adolph William Malkoski
Douglas Wyman Marden
Paul Felix Martin

Richard Blazo Martin
Robert Francis McComas
James Alfred McNerny
Frederick Stevens Merriam
Henry Samuel Miliefsky
Wensel William Moberg
Benjamin Moulton
Paul Pheneas Norman
Carl William Olson Jr
Walter Albert Olson
Henry Barnes Perry
Warren Stanley Peterson
George Hugo Powers
Asari Rajala
Eugene Herbert Reichenenthal
Clarence Jacob Rosemark
Arthur John Ryan
Julian Schultz
Max Andrew Shapiro
Edward Arvey Smith
Frederic Vosmus Steeves
Roy Carl Sundeen
Robert Clark Taylor
Archie Andrew Brauer

Candidates for the Degree of Bachelor of Arts with Honors

Carroll Durgin Colby *with Honor in General Course and with Honors in Economics and Sociology*
Carl Rhenhold Erikson *with Honor in General Course and with Honors in Chemistry*
Stanley Morton Friedman *with Honors in Economics and Sociology*
Ralph Roger Goodwin *with Honor in General Course*
Bert Guterman *with Honor in General Course*
Archibald Hanna Jr *with Honors in English*
Raymond Richard Haringa *with Honors in Biology*
Fred Hiland Howard *with Honor in General Course and Honors in Biology*
Henry Aram Malkasian *with Honors in History and International Relations*
Bernard Morris *with Honors in History and International Relations*
Allen Shedd Powell *with Honors in Chemistry*
Nathan Shapiro *with Honor in General Course*

Candidates for the Degree of Bachelor of Arts with High Honor

William Charles Herrmann *with High Honor in General Course*
John Ross Mackay *with High Honor in General Course*

Since the last annual commencement the degree of Bachelor of Arts has been conferred upon the following candidates as of June 4 1938

Irving William Brulé

Theodore Pierre Racicot

Candidates for the Degree of Master of Arts

Chemistry

Robert Ernest Brouillard
Oscar Paul Cohen
Hubert Morton Cole Jr
Bernard Kopelman
Milton Eugene Madorsky
Arthur Stanley Wilder

Economics and Sociology

Samuel Leonard Arnold
Edward Lloyd Barber
Paul Marvin Goldberg
Marcel Heimo
Harper Hubert Wilson

Geography

Clare Scott

History and International Relations

Bedros Baharian
Howard Olsen Bingley
George Eric Booth Jr
Virginia Lee Derr
Joseph Nathaniel Goff
William Irwin
Louis Arthur Krug
Donald Newton Millen
Wilberta Ethel Newberry
William Lang Stirling

Psychology

Shirley Miriam Heller
Elwood Samuel Leffel

Candidates for the Degree of Master of Arts in Education

Elinor Brown
Ethel Sandell Burton
Aram Damarjian
Irving Peter Erickson
Rocheleau Zephirin Granger Jr
Mary Frances King
Donald Henry Letendre
James William McKenna
Jorma Iltanen Niven
Joseph Frederick Ortman
Eric Arthur Roy

Candidates for the Degree of Doctor of Philosophy

Biology

Zareh Hadidian

Economics and Sociology

Gerald James Matchett
Walter C Wilson

Geography

Albert Sigfrid Carlson
James Irving Culbert
Shannon Boyd Bailey McCune
Paul Allman Siple

History and International Relations

Edwin Broughton Coddington
Walter Grant Inman
Forrest Carlisle Pogue Jr

Honorary Degrees

Edmund Smith Conklin
Samuel Hood Dolbear
Ralph Barton Perry
William Lyon Phelps
Cornelia Otis Skinner

Presented by Vernon Jones
Presented by Benjamin S Merigold
Presented by George H Blakeslee
Presented by Philip H Churchman
Presented by Loring H Dodd

Annual Collegiate Honors

SENIORS

First Honors

William Charles Herrmann

John Ross Mackay

Second Honors

Carl Rhenhold Erikson

Fred Hiland Howard

Ralph Roger Goodwin

Henry Aram Malkasian

Raymond Richard Haringa

JUNIORS

First Honors

Amos Joseph Lessard

Second Honors

Raymond Douglas Balcom

John Joseph O'Connor

Richard Alexander Guenther

~~Matthew Linzee Sands~~ (edit)

Bennet Carl Kessler

SOPHOMORES

Second Honors

Everett Dow Glover

FRESHMEN

First Honors

David Hamilton Horne

Donald William Kuhn

Second Honors

Raymond Harold Ellison

Paul Julian Nelson

EDMUND C SANFORD SCHOLARSHIP

Raymond Douglas Balcom

PRENTISS HOYT PRIZE IN POETRY

Albert Brown Southwick

For the Poem

Courage

CLARK UNIVERSITY

Final Assembly of the 1939 Summer School

AUGUST 11, 8:30 P. M.

The Community Players, Clark University, Present:

TAMING OF THE SHREW

by William Shakespeare

CHARACTERS

Antonio	Edward Nugent
Isabella	Francis Kirby
Lucentio	Donald Letendre
Micuccio	Myles McAleer
Montano	John Nugent
Overdone	George Slater
Tranio	Edward Killelea
Induccio	Paul Regan
Micuccio	Robert Nims
Isabella	Joycelin Morris
Tranio	Kenneth Edwards
Isabella	Rose Kolligian
Overdone	Warren Anthony
Montano	Charles Shaw
Isabella	Amerigo Zamarro
Tranio	Raymond Goodhue
Induccio	Dorothy Stromberg
Isabella	Vesta Shaw
Tranio	Marguerite Sullivan
Isabella in Waiting	Elizabeth Read

SCENE: Sometimes in Padua and sometimes in Petruchio's house in the country

Conferring of Degrees

President Atwood

Bachelor of Education

Theresa Buckley
Margaret Cunningham
Evelyn Galvin
Antonia Gatti
Agnes Moran

Winifred Louise O'Grady
Helga Elvira Peterson
Elizabeth Agnes Rourke
Madelin Alma Wilmarth

Master of Arts in Education

Theodore Henry Berard

Master of Arts

Geography
Leo Alpert
Bertram Berman
Arthur Lowe Burt
Mary Elizabeth Fontaine
Norman Earl Greenawalt

History and International Relations
Sidney Phillips Bailey
Catherine Elizabeth Ford
Benjamin Shwadran

Clark University
SUMMER SCHOOL
BULLETIN



JULY 1 to AUGUST 9

NUMBER 147 • JANUARY, 1940

WORCESTER • MASSACHUSETTS

Clark University

BULLETIN OF SUMMER SCHOOL



JULY 1 to AUGUST 9

WORCESTER · MASSACHUSETTS

TO THE CLARK UNIVERSITY SUMMER SCHOOL:

I wish to enroll as a student in the Summer School for 1940, and enclose with this the Registration fee of two dollars.

Name

Address

Date

Occupation during the past academic year

.....

.....

Graduate of what college, normal school, or other educational institution with date of graduation?

.....

.....

.....

TENTATIVE LIST OF SUMMER SCHOOL COURSES WHICH APPLICANT DESIRES TO ENTER

.....

.....

.....

.....

.....

(Describe by Subject and Number, i.e., Geography 101)

Have you been accepted as a candidate for a degree?

At what institution?.....What degree?.....

Have you ever attended the Clark University Summer School?.....

If so, what was year of last attendance?.....

CALENDAR

July	1	Monday, 9 A.M.—12 M. Registration. 8–10 P.M. Faculty reception to members of the Summer School.
July	2	Tuesday, 8 A.M. Regular classroom work begins.
July	4	Holiday.
July	9	Lecture. "The European Situation." Dr. Van Valkenburg.
July	11–12	Summer Players. Monodramas.
July	16	Lecture. "State Trade Walls." Dr. Melder.
July	18–19	Summer Players. One act plays.
July	20	Geographical field excursion down Blackstone Valley to Providence and Newport. Dr. Ekblaw.
July	23	Lecture. "Geology as a Fun-maker." Illustrated. Dr. Little.
July	25–26	Summer Players. "A Masque of Queens," by Maria M. Coxé.
July	27	Historical and literary trip to Lexington and Concord. Dr. Guy Lee.
July	30	The Enjoyment of Poetry. Verse reading choirs. Verse plays. Prof. Illingworth.
July	31	Summer School picnic. 4 P.M.
August	1–2	Summer Players. "What a Life." A comedy in three acts by Clifford Goldsmith.
August	3	A trip to the North Shore, Franklin Park Zoölogical Gardens, Arnold Arboretum, the Aquarium, and the Natural History Museum at Harvard University, containing the famous glass flowers. Dr. Potter.
August	9	Summer session closes. Final assembly at 8:30 P.M. Conferring of degrees and presentation of Shakespeare's "Romeo and Juliet."

Notes.—In order to make up Thursday, July 4, all classes will meet Saturday, July 13.

Date to be announced. A trip to Babson Institute, Wellesley Hills, Mass., to see the construction of the large relief map of the United States.

All meetings will be held, unless otherwise announced, in Atwood Hall, Clark auditorium.

COMMITTEE ON THE SUMMER SCHOOL

THE PRESIDENT OF THE UNIVERSITY

THE DIRECTOR OF THE SUMMER SCHOOL

MESSRS. BLAKESLEE, VAN VALKENBURG, BRANDENBURG

The Bulletin is published in January, March, May, October and December.

Entered as second-class matter, December 29, 1920, at the Post Office at Worcester, Mass., under the Act of August 24, 1912. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917 authorized January 24, 1921.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

- WALLACE WALTER ATWOOD, PH.D.
President of Clark University and Director of the Graduate School of
Geography, Clark University.
- ROBERT S. ILLINGWORTH, A.M., ED.M.....*English and Dramatics*
Director of the Summer School and Professor of Dramatic Art, Clark
University.
- CLARENCE F. JONES, PH.D.....*Geography*
Professor of Economic Geography, Clark University.
- WALTER ELMER EKBLAW, PH.D.....*Geography*
Professor of Geography, Clark University.
- SAMUEL VAN VALKENBURG, PH.D.....*Geography*
Professor of Climatology and Regional Geography, Clark University.
- GUY H. BURNHAM, A.M.....*Cartography*
Cartographer, Clark University.
- HOMER PAYSON LITTLE, PH.D.....*Geology*
Dean of the College and Professor of Geology, Clark University.
- GUY A. LEE, PH.D.....*History*
Assistant Professor of American History, Clark University.
- FREDERICK EUGENE MELDER, PH.D.....*Economics and Sociology*
Assistant Professor of Economics and Sociology, Clark University.
- ELMER H. GARINGER, PH.D.....*Education*
Principal of Central High School, Charlotte, N. C.
- LLOYD A. GARRISON, A.M.....*Education*
Educational Supervisor and Field Representative for the Connecticut
State Department of Education.
- DAVID POTTER, PH.D.....*Biology and Botany*
Professor of Biology, Clark University.
- LYDIA P. COLBY.....*Recorder*
- FLORENCE CHANDLER.....*Bursar*

THE SUMMER SCHOOL AT CLARK UNIVERSITY

Clark University is now laying special emphasis on fields of study that lead to a better understanding of national and international problems. Geography, Economics, and History and International Relations are of fundamental importance to all students interested in the solution of the larger problems now before the world.

The Summer School program is concentrated in a few closely related departments of study—Geography, History, Economics, English, Drama, Education, Biology, and Botany. The rich library resources of these fields give opportunity for wide reading.

The work of the Summer School is intensive. Courses meet five times a week. Three courses are considered a full program. Many students will find it advantageous to concentrate all their energies on the work of two courses or even on a single course.

Location and Buildings

Clark University is located on Main Street about a mile and a quarter southwest of the City Hall. Trolley cars and buses run directly past the University. Taxicab service is available at moderate price.

The office of the Summer School is located in the Jonas G. Clark Hall, which contains also the general offices of the University. The office of the President of the University and the Geography work-room are in the Geography Building where some classes are held.

All the classroom, library, and laboratory facilities of the University, so far as they pertain to the subjects of instruction offered, are at the disposal of students of the Summer School.

The Library

The Library of the University was provided with a generous endowment by the founder of the Institution, and affords favorable opportunities for study and research. The Library now owns more than 157,000 bound volumes and pamphlets, and the Reading Room receives more than 500 journals. All the privileges of the Library are open to all members of the University, and each member has direct access to every book and journal.

In addition to the library facilities provided by the University, students may avail themselves of the privileges of other excellent libraries in the city. The Worcester Public Library contains 250,000 volumes. The Library of the American Antiquarian Society, housed in the national headquarters of the Society in Worcester, contains more than 500,000 volumes and pamphlets. These libraries are pleased to serve Summer School students.

Admission to the Summer School

Graduates of colleges, technical schools, normal schools, or secondary schools, college students, and teachers in schools of any grade are admitted as a matter of course upon application. Other applicants are admitted upon approval of their qualification for the work which they desire to do.

Students in the College Division of Clark University who desire to have work done in the Summer School credited toward an A.B. degree are required to obtain the approval of the College Board.

Registration

Persons who desire to enter the Summer School should detach and fill out the printed application form in this BULLETIN and forward it, with the registration fee of two dollars, to the Clark University Summer School. The amount of the registration fee will be deducted from the tuition fee when the latter is paid. Checks should be made payable to Clark University.

The registration of all students in all courses should be completed on July 1. To this end students should, as far as possible, determine before the opening of the session, through personal conference or correspondence with the Director, or the various instructors, the courses in which they expect to register.

Formal registration will take place between 9 A.M. and noon on Monday, July 1, in Jonas G. Clark Hall. All instructors will be available for consultation and for signing registration cards between these hours. Class work will begin Tuesday morning.

Credit for Work Done

Some of the courses of instruction in the Summer School are of college grade, others are strictly graduate courses, and many are equally suitable for advanced undergraduates or graduate students.

Unless otherwise announced, each course is designed to cover the equivalent of two semester hours of credit, and is so credited when applied toward a degree in Clark University. Three courses constitute a full schedule; a maximum of four courses may be taken, but only with the consent of the Director. With the consent of the instructor, students may attend other classes as auditors.

A certificate, with a statement of courses taken and grades received, will be furnished at the close of the session to all students who desire it. In order to obtain a prompt report, students should leave a stamped and addressed envelope at the Recorder's office during the last week of the session.

Summer School courses may be applied toward the fulfillment of the requirements for the degree of Bachelor of Arts, Bachelor of Education, Master of Arts, or Master of Arts in Education, *subject to the general regulations of the University.*

Tuition and Fees

Students taking two or three courses pay a fee of thirty-five dollars; those who desire to take but one course may do so upon payment of a fee of twenty dollars, which entitles them also to all special privileges of the Summer School. The same charge is made whether students register as auditors or for credit. Students who take a fourth course for credit will pay an additional tuition fee of \$10, to be paid as a separate item by the end of the second week of the term.

Students registering in the Summer School who have not previously been enrolled in Clark University are required to pay a matriculation fee of five dollars. The fee is paid only once and is not returnable.

Tuition may be paid at any time before 5 P.M. of Friday, July 5. Checks should be made payable to Clark University.

Board and Rooms

A few rooms are available for women in the Faculty House. Fraternity houses are reserved for men. Reservations may be made by correspondence. Good rooms may be had in private homes near the University at \$3 to \$5 per week. Meals, at moderate prices, may be secured in the vicinity of the University. A list of desirable rooms will be sent on request.

Bachelor of Arts Degree

Students who have been admitted to the Undergraduate Department of the University may secure not more than six semester hours of credit toward the Bachelor of Arts degree in any one summer session on condition that permission be secured in advance from the College Board and that programs of study be approved by the Dean of the College.

The Bachelor of Education Degree

The degree of Bachelor of Education is offered to teachers, both men and women, who have completed a two-year normal school course, or its equivalent, and who have had at least one year of experience in teaching. Candidates for this degree are under the direction of the Committee on Extension Courses and Special Students.

The degree is awarded on the satisfactory completion of a program of studies aggregating slightly more than the equivalent of two years of regular college work, in addition to the normal school course. Candidates for the degree may earn the necessary credit in summer school, in extension courses ("Courses of College Grade for Adults"), and in regular college courses. A minimum of thirty (30) semester hours must be earned in residence at Clark University. All or part of the balance may be earned elsewhere, *subject to approval in advance by the Committee on Extension Courses and Special Students or its authorized representative*. A series of courses designated as "COURSES OF COLLEGE GRADE FOR ADULTS" is offered each semester at the University to meet the needs of candidates for the degree of Bachelor of Education. Study outside of regular classes conducted under the auspices of a recognized institution of college grade cannot be accepted for "credit," though such study may be the basis of relief from requirements in particular subjects.

A teacher in active service may normally earn a maximum of four semester hours of credit in each semester of the academic year and six* hours in a six-week summer school. At this rate, the degree can be secured in five calendar years after the completion of the normal school course. Men who are candidates for the degree and who can devote themselves to full-time study will usually find it possible to enroll in regular college classes for a program yielding fifteen semester hours of credit each semester. *Women are not admitted to college classes at Clark University. Women, candidates for a bachelor's degree, will usually not find it possible to secure a full-time program of courses during the regular academic year.*

The program leading to the degree includes requirements in English, foreign language, laboratory science, social science and education.

*Full credit will not be given when a student enters a summer school after the first week of the session nor when changes of program are made after the first week of the session.

RULES AND REGULATIONS

The more important rules affecting candidates for the degree of Bachelor of Education are stated below.

It is impossible to cover explicitly, by rule, all situations which may arise in the absence of a fixed curriculum and with the possibility that credit toward the degree may be obtained from a variety of sources. The committee is guided by the general purpose to maintain a reasonable standard, involving suitable choice of courses and satisfactory performance in them.

1. **ADMISSION.** Only those who have completed a two-year normal school course or the equivalent may be admitted to candidacy for the degree of Bachelor of Education.

An application for admission to candidacy must be made in writing on a form which may be obtained from the university recorder. An application should be accompanied by evidence of graduation from a standard high school and an official record of all study by the applicant in normal school and college.

Applicants are notified in writing of action on their applications. Such notice in the case of those accepted includes a statement of "credit" allowed on records submitted, and of any special requirements.

2. **A MATRICULATION FEE** of \$5 must be paid for the purpose of opening an official record of credit in the office of the university recorder.

3. **"CREDIT" FROM OTHER INSTITUTIONS.**

- a. Credit of 54 semester hours will normally be given for the completion of a standard two-year course in a normal school or teachers college. Less than this may be granted at the discretion of the committee in charge of this work. Additional credit may be allowed for more than two years' work at a normal school or college, and for suitable work in extension courses or in summer schools. The total credit from other institutions cannot exceed 90 semester hours.
- b. After admission to candidacy credit may be allowed for courses taken at approved universities, colleges, or normal schools, provided such courses are authorized in advance. In exceptional cases the committee may authorize credit for such courses taken without previous approval, but under no circumstances in excess of 75% of the face value of such courses.
- c. Not more than thirty hours of credit may be allowed for home study courses and extension courses taken with outside institutions. Such work is accepted from only a limited number of sources. This thirty-hour limit applies to the combined total of home study and "extension" courses.

4. **REQUIREMENTS FOR THE DEGREE.**

- a. 120 semester hours of college credit, including advanced standing granted at the time of admission to candidacy.
- b. At least 30 semester hours of credit earned *in residence* at Clark University. (Included in the total of 120 semester hours.)
- c. At least one year's teaching experience.
- d. Requirements in particular subjects:
 - (1) Six semester hours in psychology or education, taken after the completion of the two-year normal school course or its equivalent.
 - (2) Six semester hours of laboratory science, taken after the completion of the two-year normal school course or its equivalent.

- (3) Ten semester hours of English, which may be taken in whole or in part in the normal school course.
- (4) Twelve semester hours in any *one* foreign language, which may be completed in whole or in part elsewhere than at Clark University. Evidence of the completion of this requirement may be supplied in the following ways: 1. by securing credit in course toward the degree for the twelve semester hours required; 2. by securing credit in course toward the degree for at least the last four semester hours normally required to complete the twelve hour requirement; 3. by passing satisfactorily an examination set by Clark University.
- (5) Twelve semester hours of economics, geography, government, history, or sociology, at least six of which must be taken after the completion of the two-year normal school course or its equivalent.

NOTE:—Prospective candidates are urged to complete formal enrollment in time to complete at least 30 semester hours of credit toward the degree after admission to candidacy, in order that they may benefit by advice as to requirements and wise selection of courses.

5. STANDARD OF SCHOLARSHIP. A grade better than D+ is required in three-fourths of all credit accepted toward the completion of the requirements for the degree.

6. LAPSE OF CANDIDACY. Candidacy for the degree terminates automatically whenever for a period of two years or more a candidate has failed to complete any courses in Clark University yielding credit toward the degree. A candidacy terminated under this rule may be renewed by action of the committee. Such renewal may involve a revision of allowances previously made both in respect to total credit and requirements in particular subjects.

7. DIPLOMA FEE. The diploma fee (five dollars) should be paid to the Bursar not later than the beginning of the semester or summer session in which the requirements for the degree will be completed.

The Master of Arts Degree

A student admitted to full graduate standing may satisfy the minimum residence requirement for the Master of Arts degree by attending six summer sessions of six weeks each, and taking a normal program made up exclusively of graduate courses approved by the department in which the student is seeking the degree. The minimum residence requirement may be met in five sessions, if the Master's thesis is prepared outside summer session periods under the supervision of the department in which the student is a candidate for the degree. In this case, the degree will be conferred not earlier than the June commencement following the completion of the fifth summer session of attendance.

Persons who wish to become candidates for the Master's degree beginning with a summer session, should take up correspondence promptly with Dr. H. Donaldson Jordan, Secretary of the Graduate Board, Clark University. Application blanks with directions for making application for graduate standing will be furnished on request by the Secretary of the Graduate Board. Formal admission

to graduate work by the department in which the student seeks the degree should then be secured in advance of the opening of the summer session.

A person who has already entered upon graduate work should arrange his program for the summer session of 1940 by correspondence with the department in which he is a candidate for a degree.

The Degree of Master of Arts in Education

In February, 1936, the Trustees of the University voted the establishment of a Department of Education which will give work leading to the degree of Master of Arts in Education. The work of the Department formally began at the opening of the academic year 1936-1937, but courses satisfactorily completed in the 1936 summer session by properly qualified students will count toward this degree. The Department will also offer courses which may be counted toward a Bachelor's degree.

Residence Requirement. The residence requirement for this degree of Master of Arts in Education is the same as for the Master of Arts degree, which usually means, in the case of Departments which offer work in the Summer School, that not more than one-half the courses for the degree may be taken in summer sessions. Extension course credits may not be counted in fulfilling the requirements for the Master of Arts degree in Education. However, many regular courses which will normally be taken toward this degree will be scheduled in late afternoons and Saturdays in the regular academic year. These will count toward the satisfaction of regular residence requirements.

Course Requirements. The student working toward the degree of Master of Arts in Education will be expected to elect one of the following groups of studies as the field in which he wishes to teach: (a) mathematics and natural sciences; (b) history and other social sciences; (c) ancient and modern foreign languages; (d) English, alone or in combination with some related subject.

Prior to receiving the degree, the candidate must have completed not less than five year-courses in one of the above groups, or in a combination of groups approved by the Department of Education. At least one year-course of the five must be taken during residence for the advanced degree and be passed with a grade which will carry graduate credit. In addition to the above requirement in the subject-matter field, 16 semester hours of graduate work in Education will normally be required of the candidate during residence. Also, the student must present a thesis, or special report, in which he

demonstrates not only his grasp of the subject-matter which he plans to teach but also a mastery of the educational principles necessary for such teaching. Work in addition to the above requirements, either in a subject-matter field or in Education, or both, may be required if this seems necessary for the adequate preparation of the candidate.

Admission. Students whose first connection with the Graduate School of the University is in the summer session will not be formally considered as candidates for classification as regular graduate students until after a summer in residence. Students with a better-than-average record from their undergraduate college and who make superior grades at Clark may expect to be accepted as regular graduate students.

Courses for Graduate Students. The following courses carrying graduate credit in Education are to be offered in the summer session of 1940.

Secondary School Teaching and Supervision	DR. GARINGER
Elementary Education, Aims and Methods	DR. GARINGER
Historical Development of Modern Education	MR. GARRISON
Educational Sociology	DR. MELDER

Courses for Undergraduate Students. Students working toward a Bachelor's degree may register for any of the above courses with the permission of the instructor.

The Summer School Association

The Summer School Association was organized by the students at the first session of the Summer School in 1921. The Association promotes the social activities of the school during the summer session. Every student is urged to participate in the activities of the Association as they develop during the term.

Summer Tourist Railroad Rates

Summer Tourist Railroad Rates from Chicago and places west of Chicago will probably be in effect from June to October. Inquiry should be made at local ticket offices.

The Summer School Roster

The names of students of the Summer School, with their home addresses, will be found in the General Catalogue of the following academic year. Students who desire a list should write to the University after February 1, of the following year.

DEPARTMENT ANNOUNCEMENTS

The right is reserved to withdraw any course listed in the event of a registration too small to justify its being given.

Courses marked with an asterisk () may be taken for graduate credit.*

Geography

The courses in geography announced here include undergraduate and graduate courses in the several phases of the subject. Certain fundamental courses are offered every summer. Others are given every other year or occasionally.

Students whose assignments involve the preparation of maps or who wish to practice map-making will appreciate the opportunity for special help by the cartographer, Mr. G. H. Burnham, in the geography workroom.

SS12. Weather. A general treatment of weather for practical purposes of teachers, as well as a basis for understanding climate.

Daily, except Saturday, at 10.

DR. S. VAN VALKENBURG

SS14. I Economic Geography. A study of the relation of physical and economic conditions in the fishing, grazing, farming, and forest industries of the world. Emphasis will be placed on methods of organizing and presenting the materials of economic geography.

Daily, except Saturday, at 8.

DR. C. F. JONES

SS190. The Earth as a Planet. A study of the earth and its relations to the other bodies of the Universe. Practical problems dealing with such topics as the seasons, altitude of the sun, latitude, longitude, time, tides and the calendar will be presented in a way that will be helpful to teachers of junior high school geography.

Daily, except Saturday, at 11.

MR. G. H. BURNHAM

SS191. Maps, Charts, and Graphs: Their Construction and Interpretation. A discussion of various graphic methods and their application to geographic data. Designed primarily to help both teachers and students of geography to a practical understanding of fundamental graphic principles.

Mon., Wed., Fri., at 3, Laboratory 2 hours (to be arranged).

MR. G. H. BURNHAM

***SS24. South America.** The important physiographic regions and types of climates; vegetation; transportation; the people; the major problems of the South American Republics; the geographic regions of the continent; the future of South America.

Daily, except Saturday, at 2.

DR. C. F. JONES

***SS25. Land Utilization and Planning.** A summary of principles underlying tenure and use of land with particular reference to problems of population and conservation of resources. The later part of the course will be devoted to the purposes and progress of planning.

Daily, except Saturday, at 11.

DR. W. E. EKBLAW

SS27b. Cultural Geography. A survey of man's adjustments, to the attributes of the land on which he lives, of his distribution, his domestic and social evolution, and the development of his culture. From this point of view it treats of his homes, clothing, food, tools, and weapons; means of travel, trade, industry, and all his material equipment; his language, laws, religions, arts and sciences, and his societies and states.

Daily, except Saturday, at 9.

DR. W. E. EKBLAW

***SS275. Geographic Aspects of the War.** A geographical interpretation of the European war, in which the physical, economic and human factors will be stressed.

Daily, except Saturday, at 12.

DR. S. VAN VALKENBURG

***SS30. Seminar in Geography.** An organized discussion of research problems and theses. Attendance is required of all students preparing theses or conducting research.

Tuesdays at 3.

DRS. JONES, EKBLAW AND VAN VALKENBURG

***SS34. Research in Geography.** For properly qualified students.

DRS. JONES, EKBLAW AND VAN VALKENBURG

Geology

SS1. Physiography. Approximately two thirds of this course will be spent in a systematic study of the work of wind, water, ice, and sub-surface forces, in modifying the surface of the earth. This phase of the subject may perhaps be best summarized as a scientific study of the origin of scenery. Possibly one third of the course, depending somewhat on the needs and desires of the students, will be spent in the study of common minerals and rocks likely to be seen on cross-country tramps or to be brought into the schoolroom for identification. Some acquaintance with the topographic map will be gained in the laboratory.

A laboratory fee of \$2.00 will be charged. This is payable to the Bursar.

Four lecture-recitation periods at 8, and a Thursday afternoon laboratory period weekly.

DR. LITTLE

History and International Relations

***SS242. United States in the Twentieth Century.** A synthesis of the political, social, and economic forces in the development of the United States from Roosevelt to Roosevelt. The Progressive Movement, World War conditions, the Republican twenties, and the depression and its effects will be especially considered.

Daily, except Saturday, at 9.

DR. LEE

*** SS20. American Traditions.** A realistic examination of the American past. This survey of social and intellectual trends since 1825 will form a basis for changing American doctrines and practices of individualism, freedom of speech, public education, equality for all, humanitarianism, and so on. It will consider treatment of particular groups from prisoners to plutocrats; reactions of various external forces

ranging from dime novels to war; and achievements in fields as diverse as journalism and religion.

Daily, except Saturday, at 11.

DR. LEE

***SS356. Research in History.** Open to properly qualified students.

DR. LEE

Economics and Sociology

***SS240. Consumer Economics.** An introduction to the practical art of buymanship. The course is concerned with the problems of getting a maximum of satisfaction for a minimum of expenditure. It includes such topics as buying consumer goods, entertainment, and insurance; detection of frauds; consumer installment buying; and managing personal finances.

Daily, except Saturday, at 10.

DR. MELDER

***SS19. Educational Sociology.** A sociological approach to educational problems. A study of the relationships of education and intellectual leadership to politics, government, patriotism, and such socio-economic phenomena as poverty, crime, and pressure groups. No sociology prerequisite.

Daily, except Saturday, at 12.

DR. MELDER

***SS32. Research in Selected Social and Economic Problems.** For properly qualified graduate students.

DR. MELDER

English and Dramatics

SS6. American Poetry 1630-1940. A survey of three centuries of American poetry. Freneau, Bryant, Poe, Emerson, Thoreau, Longfellow, Whittier, Holmes, James Russell Lowell, Whitman, Riley, Dickinson, Robinson, Amy Lowell, Frost, Sandburg, Lindsay, Markham, Millay, T. S. Eliot, Jeffers.

Daily, except Saturday, at 9.

PROF. ILLINGWORTH

SS7. American Drama. A survey of American drama from 1767 to the present day. After a brief consideration of the history of American drama, the emphasis will be placed upon plays of the twentieth century.

Daily, except Saturday, at 10.

PROF. ILLINGWORTH

SS5. Stagecraft. The course is designed primarily to give training in dramatic expression. Further, it takes into consideration the allied arts of the theatre, the function of stage settings, the procedure in mounting a play, the evolution of the design through sketches and miniature models, costumes, properties, make-up, pantomime, rehearsals, directing, choice of play, and theatre organization and management. The student is familiarized with all the responsibilities of play production. In so far as possible, members of this class will be chosen for the productions of the summer theatre.

Note.—A special bulletin outlining the work in this course will be ready May first. The first two productions will be cast before the opening of the Summer Session. Early registration will help in selecting the casts.

Daily, except Saturday, at 11.

PROFESSOR ILLINGWORTH AND
ASSISTANTS

SS2. Public Speaking. A course in the composition and delivery of speeches and practice in impromptu speaking. The student is taught to breathe correctly; exercises are given to overcome speech defects; relation of speaker to audience; posture, movement, gesture, pronunciation and enunciation, methods of preparing a speech, vocabulary building. The aim of the course is to train the student to think logically and to speak simply and effectively when on his feet.

Daily, except Saturday, at 12.

PROFESSOR ILLINGWORTH

Verse Reading Choir

Open to all students registered in the department. A choir of twenty voices will be chosen. Regular rehearsals to be arranged for the convenience of the choir members. Public performance will be given July 30th.

Education

***SS22. Secondary School Teaching and Supervision.** A study of the American high school, the curriculum, extra-curricular activities, organization, and administration, evolution and problems. This course is designed especially for high school principals and teachers.

Daily, except Saturday, at 9.

DR. GARINGER

SS12. Elementary Education, Aims and Methods. The course should meet the needs of elementary teachers and of administrators. Secondary teachers will find the discussions and the directed readings of special value in helping to arrive at a proper understanding of the place of each administrative unit in the total educational scheme. Such topics as the project method, the experience curriculum, ability groups, individualized instruction, and platoon type of organization will be carefully considered.

Daily, except Saturday, at 11.

DR. GARINGER

***SS209. Historical Development of Modern Education.** A study of the origin of the various types of curricula, theories of psychology, conceptions of child nature, methods of instruction and school organization placing special emphasis upon the school as a product of the social order.

Daily, except Saturday, at 10.

MR. GARRISON

***SS23. Philosophy of Education and Progressive Education.** A study of the fundamental theories of value, knowledge and learning as they apply to modern education. Particular attention will be given to the fundamental concepts of progressive education.

Daily, except Saturday, at 12.

MR. GARRISON

Biology and Botany

SS14. The Identification of the Flowering Plants. A course designed to introduce the student to the method of identifying plants. Emphasis will be placed upon our local flora. The course is so designed that those who have had introductory work, may continue with their identification studies or may work on any special group. A laboratory fee of \$2.00 is required.

Tuesday, Wednesday, Thursday, Friday at 8, and one laboratory period Monday afternoon at 2.

DR. POTTER

Instructor	8	9	10	11	12	
ILLINGWORTH		SS6 Amer. Poetry	SS7 Amer. Drama	SS5 Stagecraft	SS2 Pub. Speaking	†*SS24 P*SS30 †*SS34 P*SS30 †*SS34
C. F. JONES	SS14 I Econ. Geog.					
EKBLAW		SS27b Cultural Geog.		*SS25 Land Utilization		P*SS30 †*SS34
VAN VALKENBURG			SS12 Weather		*SS275 Geog. Aspects of the War	P*SS30 †*SS34
BURNHAM				SS190 Earth as a Planet		§SS191
LITTLE	SS1 Physiography					#SS1
GUY LEE		*SS242 U. S. in 20th Century		SS20 Amer. Traditions		†*SS356
MELDER			*SS240 Consumer Economics		*SS19 Educ. Sociol.	†*SS32
GARINGER		*SS22 Secondary Sch. Teaching		SS12 Elem. Educ.		
GARRISON			*SS209 Hist. Develop. of Mod. Ed.		*SS23 Phil. of Education	
POTTER	SS14					▼SS14

NOTE: All the above courses are Summer School courses. * Courses suitable for graduate credit. † Daily, except Saturday, at 2. ‡ Time to be arranged. § Mondays, Wednesdays and Fridays at 3. # Thursday afternoons. ▼ Mondays at 2. P Tuesdays at 3.

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4/4/40
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Clark University Bulletin

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MARCH, 1940

CATALOGUE NUMBER

The Catalogue is a record for the current academic year, 1939-40. Such announcements for the year 1940-41 as can be made at the time of publication are included.

The Bulletin is published in January, March, September, October, and December

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Historical Note

Clark University owes its existence to the interest in higher education of Jonas Gilman Clark, who was born at Hubbardston Worcester County, Massachusetts, February 1, 1815. Conscious of the meagerness of his own early educational opportunities, he devoted his later years to the establishment and nurture of the institution which bears his name. In this he was ably assisted by his wife, Susan W. Clark, and by prominent citizens of Worcester. Mr. Clark died at Worcester on May 23, 1900.

The charter of the University was granted by the General Court of Massachusetts in 1887. The Graduate Division, with Granville Stanley Hall as president, received its first students in 1889. Special provision was made in Mr. Clark's will for the establishment of an Undergraduate Division with its own president but under the same general control as the Graduate Division. Carroll Davidson Wright was chosen president of the Undergraduate Division and students were first received in October, 1902. After the death of President Wright in 1909, Edmund Clark Sanford, then Professor of Psychology in the Graduate Division, was chosen as President of the college.

In June, 1920, Presidents Hall and Sanford resigned and Wallace Walter Atwood was elected to the presidency of both the Graduate and the Undergraduate Divisions of the University.

During the academic year 1920-21 the two faculties continued their separate organizations while plans for unification were being worked out. These plans, approved by the Board of Trustees, went into effect in 1921-22 and provided for the fusion of the two faculties into a single body.

With the election of President Atwood, provision was made for the establishment of a Graduate School of Geography, and work in that school was begun in the fall of 1921.

A Summer School with a six weeks' session has been conducted each year, beginning in 1921.

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Calendar

The academic year begins on the Monday before the fourth Thursday in September, and ends on Commencement Day, the thirty-eighth Monday (the first or second Monday in June).

The first semester ends on the Saturday before the twentieth Monday and the second semester begins on the twentieth Monday of the academic year.

1939

Sept. 22-23	Freshman induction days.
Sept. 23 Saturday	Registration day for Freshmen.
Sept. 25 Monday	Registration day for all other students. Beginning of academic year.
Nov. 29 Wednesday	Beginning of Thanksgiving recess at 6 P. M.
Dec. 4 Monday	End of Thanksgiving recess at 8 A. M.
Dec. 16 Saturday	Beginning of Christmas recess at 1 P. M.

1940

Jan. 2 Tuesday	End of Christmas recess at 8 A. M.
Jan. 15-17	Registration days for second semester.
Jan. 22 Monday	Beginning of semester examination period.
Feb. 1 Thursday	Founder's Day. Not a holiday.
Feb. 3 Saturday	End of first semester. Last day for receiving applications for undergraduate scholarships for the second semester.
Feb. 5 Monday	Beginning of second semester.
Feb. 10 Saturday	Last day for changes in undergraduate programs. Last day for receiving applications for admission to candidacy for the degree of Master of Arts in June, 1940.
Feb. 15 Thursday	Last day for payment of term bills.
Feb. 22 Thursday	Washington's Birthday. A holiday.
Feb. 29 Thursday	Last day for receiving applications for graduate scholarships and fellowships for 1940-41.
Mar. 30 Saturday	Mid-semester reports.
Apr. 6 Saturday	Beginning of spring recess at 1 P. M.
Apr. 15 Monday	End of spring recess at 8 A. M.
May 24 Friday	Beginning of semester examination period.
May 30 Thursday	Memorial Day. A holiday.
June 6 Thursday	Last day of semester examinations.
June 7 Friday	Dissertations and theses for the Ph.D. and M.A. degrees are due at the office of the Recorder at 9 A. M.
June 9 Sunday	Commencement Day.
July 1 Monday	Summer School opens. Registration day.
July 6 Saturday	Last day for payment of Summer School tuition.
Aug. 9 Friday	Summer School closes. Final Assembly of the Summer School at 8 P. M. Conferring of degrees.

Sept. 20-21		Freshman induction days.
Sept. 21	Saturday	Registration day for Freshmen.
Sept. 23	Monday	Registration day for all other students. Beginning of academic year.
Sept. 30	Monday	Last day for changes in undergraduate programs.
Oct. 3	Thursday	Last day for payment of term bills.
Oct. 12	Saturday	Columbus Day. Not a holiday.
Oct. 31	Thursday	Last day for receiving applications for admission to candidacy for the degree of Doctor of Philosophy in June, 1941.
Nov. 11	Monday	Armistice Day. Not a holiday.
Nov. 23	Saturday	Mid-semester reports.
Nov. 27	Wednesday	Beginning of Thanksgiving recess at 6 P. M.
Dec. 2	Monday	End of Thanksgiving recess at 8 A. M.
Dec. 21	Saturday	Beginning of Christmas recess at 1 P. M.

1941

Jan. 6	Monday	End of Christmas recess at 8 A. M.
Jan. 13-15		Registration days for second semester.
Jan. 20	Monday	Beginning of semester examination period.
Feb. 1	Saturday	Founder's Day. Not a holiday. End of first semester. Last day for receiving applications for undergraduate scholarships for the second semester.
Feb. 3	Monday	Beginning of second semester.
Feb. 8	Saturday	Last day for changes in undergraduate programs. Last day for receiving applications for admission to candidacy for the degree of Master of Arts in June, 1941.
Feb. 13	Thursday	Last day for payment of term bills.
Feb. 22	Saturday	Washington's Birthday. A holiday.
Feb. 28	Friday	Last day for receiving applications for graduate scholarships and fellowships for 1941-42.
Mar. 29	Saturday	Mid-semester reports.
Apr. 5	Saturday	Beginning of spring recess at 1 P. M.
Apr. 14	Monday	End of spring recess at 8 A. M.
May 26	Monday	Beginning of semester examination period.
May 30	Friday	Memorial Day. A holiday.
June 5	Thursday	Last day of semester examinations.
June 6	Friday	Dissertations and theses for the Ph.D. and M.A. degrees are due at the office of the Recorder at 9 A. M.
June 9	Monday	Commencement Day.

BOARD OF TRUSTEES

GEORGE H. MIRICK (1920), Vice President and Treasurer	Worcester, Mass.
FREDERIC B. WASHBURN (1925)	Worcester, Mass.
ALEXANDER H. BULLOCK (1926), President	Worcester, Mass.
LEON E. FELTON, (1930), Secretary	Worcester, Mass.
FRANCIS H. DEWEY, JR. (1934)	Worcester, Mass.
ROBERT H. LOOMIS (1936)	Boston, Mass.
FRANK L. ADAMS (1938)	Worcester, Mass.
HOWARD M. BOOTH (1939)	Worcester, Mass.
SAMUEL H. DOLBEAR (1940)	New York, N. Y.

Final authority in all matters pertaining to the University is lodged in the Board of Trustees by charter granted by the General Court of the Commonwealth of Massachusetts.

ADMINISTRATIVE OFFICERS

President of the University and Director of the Graduate School of Geography	W. W. ATWOOD, SR.
Acting Librarian	EDITH M. BAKER
Dean of the College	H. P. LITTLE
Director of the Summer School	R. S. ILLINGWORTH
Director of Extension Courses	P. H. CHURCHMAN
Recorder	LYDIA P. COLBY
Bursar	FLORENCE CHANDLER

University Staff

THE UNIVERSITY FACULTY

(Listed in order of academic seniority within each rank.)

- WALLACE WALTER ATWOOD, PH.D. 160 Woodland St.
President, Professor of Physical and Regional Geography, and Director of the
Graduate School of Geography, since 1920.
B.S., University of Chicago, 1897; Ph.D., 1903.
- HOMER PAYSON LITTLE, PH.D. 156 Woodland St.
Dean of the College and Professor of Geology since 1922.
A.B., Williams College, 1906; Ph.D., Johns Hopkins University, 1910.
- WILLIAM HENRY BURNHAM, PH.D. 136 Elm St.
Professor of Education and School Hygiene, 1906-26. Professor Emeritus.
- WILLIAM HOMER WARREN, PH.D.
Professor of Organic Chemistry, 1925-1937. Professor Emeritus.
- DOUGLAS CLAY RIDGLEY, PH.D.
Professor of Geography in Education, 1927-1937. Professor Emeritus.
- BENJAMIN SHORES MERIGOLD, PH.D. 17 Charlotte St.
Professor of Chemistry and Director of the Chemical Laboratories.
A.B., Harvard University, 1896; A.M., 1897; Ph.D., 1901. Assistant Professor,
1903-08; Professor since 1908.
- GEORGE HUBBARD BLAKESLEE, PH.D., L.H.D., LL.D.
Professor of History and International Relations. 21 Downing St.
A.B., Wesleyan University, 1893; L.H.D., 1923; A.M., Harvard University,
1900; Ph.D., 1903; L.H.D., Williams College, 1930; LL.D., Brown Univer-
sity, 1936. Instructor, 1903-04; Assistant Professor, 1904-09; Professor since
1909.
- PHILIP HUDSON CHURCHMAN, PH.D. 20 Institute Rd.
Professor of Romance Languages and Director of Extension Courses.
A.B., Princeton University, 1896; A.M., 1903; Ph.D., Harvard University,
1908. Assistant Professor, 1908-11; Professor since 1911.
- HAVEN DARLING BRACKETT, PH.D. 114 Woodland St.
Professor of Greek and Latin.
A.B., Amherst College, 1898; Ph.D., Harvard University, 1904. Instructor,
1904-06; Assistant Professor, 1906-12; Professor since 1912.

LEROY ALLSTON AMES, A.M. 166 Woodland St.
Professor of English Literature.

A.B., Harvard University, 1896; A.M., 1901. Instructor, 1908-10; Assistant Professor, 1910-15; Professor since 1915.

LORING HOLMES DODD, PH.D. 88 Sagamore Rd.
Professor of Rhetoric. Curator of Art.

A.B., Dartmouth College, 1900; A.M., Columbia University, 1901; Ph.D., Yale University, 1907. Instructor, 1910-13; Assistant Professor, 1913-16; Associate Professor, 1916-20; Professor since 1920.

*ROBERT HUTCHINS GODDARD, PH.D.

Professor of Physics and Director of the Physical Laboratories.

B.S., Worcester Polytechnic Institute, 1908; A.M., Clark University, 1910; Ph.D., 1911. Instructor, 1914-15; Assistant Professor, 1915-19; Associate Professor, 1919-20; Professor since 1920.

SAMUEL J. BRANDENBURG, PH.D. 173 Woodland St.
Professor of Economics and Sociology since 1923.

A.B., Miami University, 1904; Ph.M., University of Chicago, 1909; Ph.D., University of Wisconsin, 1922.

CLARENCE FIELDEN JONES, PH.D. 193 Lovell St.
Professor of Economic Geography.

B.S., University of Chicago, 1917; Ph.D., 1923. Assistant Professor, 1923-26; Associate Professor, 1926-28; Professor since 1928.

WALTER ELMER EKBLAW, PH.D. Wheeler Ave., N. Grafton, Mass.
Professor of Geography.

A.B., University of Illinois, 1910; A.M., 1912; Ph.D., Clark University, 1926. Associate Professor, 1926-28; Professor since 1928.

HUDSON HOAGLAND, PH.D. 150 Woodland St.
Professor of General Physiology since 1931.

A.B., Columbia University, 1921; M.S., Massachusetts Institute of Technology, 1924; Ph.D., Harvard University, 1927.

SAMUEL VAN VALKENBURG, PH.D. 11 South Flag St.
Professor of Climatology and Regional Geography.

Ph.D., University of Zürich, 1918. Special Lecturer in Geography, second semester, 1926-27; Assistant Professor, 1927-29; Associate Professor 1932-37; Professor since 1937 (February).

JESSE LUNT BULLOCK, PH.D. 35 Downing St.
Professor of Chemistry.

A.B., Harvard University, 1914; A.M., 1928; Ph.D., 1932. Assistant Professor, 1926-32; Associate Professor 1932-37; Professor since 1937 (February).

*Absent on leave, 1939-40

JAMES ACKLEY MAXWELL, PH.D.

9 Shirley St.

Professor of Economics.

A.B., Dalhousie University, 1921; A.M., Harvard University, 1923; Ph.D., 1927 (February). Instructor, 1924-26; Assistant Professor, 1926-28; Associate Professor, 1928-37; Professor since 1937 (February).

VERNON JONES, PH.D.

267 Salisbury St.

Professor of Educational Psychology.

A.B. and A.M., University of Virginia, 1920; A.M., Columbia University, 1924; Ph.D., 1926. Associate Professor, 1926-38; Professor since 1938 (February).

ARTHUR FLETCHER LUCAS, PH.D.

31 Stoneland Rd.

Professor of Economics and Sociology.

A.B., Bates College, 1920; A.M., Princeton University, 1923; Ph.D., 1925. Assistant Professor, 1926-29; Associate Professor, 1929-38; Professor since 1938 (February).

***DWIGHT ERWIN LEE, PH.D.**

8 Shepard St.

Professor of Modern European History.

A.B., University of Rochester, 1921; A.M., 1922; Ph.D., Harvard University, 1928 (February). Assistant Professor, 1927-30; Associate Professor, 1930-38; Professor since 1938 (February).

HENRY DONALDSON JORDAN, PH.D.

171 Woodland St.

Professor of English History.

A.B., Harvard University, 1918; A.M., 1922; Ph.D., 1925. Associate Professor 1931-38; Professor since 1938 (February).

ROBERT STANLEY ILLINGWORTH, A.M., ED.M.

209 Lovell St.

Professor of Dramatic Art. Director of the Summer School.

A.B., Clark University, 1917; A.M., Lafayette College, 1926; Ed.M., Harvard University, 1933. Associate Professor of English, 1931-38; Professor since 1938 (February).

DAVID POTTER, PH.D.

974 Main St.

Professor of Biology.

B.Sc., Massachusetts Agricultural College, 1916; M.Sc., 1923; Ph.D., Harvard University, 1931. Instructor, 1924-27; Assistant Professor, 1927-33; Associate Professor, 1933-38; Professor since 1938 (February).

RAYMOND B. CATTELL, PH.D.

183 Pleasant St., Leicester, Mass.

Professor of Genetic Psychology.

B.Sc., University of London, Kings College, 1924; M.A. and Ph.D., 1929. Associate Professor, 1938-39; Professor since 1939.

CAREY EYSTER MELVILLE, A.B.

16 Isabella St.

Associate Professor of Mathematics.

A.B., Northwestern University, 1901. Assistant in Mathematics, 1906-09; Instructor, 1909-11; Assistant Professor, 1911-18; Associate Professor since 1918. Registrar, 1914-32.

*Absent on leave, second semester, 1939-40

- PERCY MARTIN ROOPE, PH.D. 2 Lovell Drive
Associate Professor of Physics.
A.B., Clark University, 1920; A.M., 1924; Ph.D., 1927. Instructor, 1921-27;
Assistant Professor, 1927-31; Associate Professor since 1931.
- HEINRICH MORANT BOSSHARD, PH.D. 952 Main St., Leicester, Mass.
Associate Professor of German.
Ph.D., University of Zürich, 1919; M.Ed., Harvard University, 1921. Assistant
Professor, 1927-32; Associate Professor since 1932.
- DAVID MITCHELL DOUGHERTY, PH.D. 5 Columbine Rd.
Associate Professor of Romance Languages.
A.B., University of Delaware, 1925; A.M., Harvard University, 1927; Ph.D.,
1932. Assistant Professor, 1931-40; Associate Professor since 1940 (Feb-
ruary).
- WALLACE WALTER ATWOOD, JR., PH.D. 88 Morningside Rd.
Associate Professor of Physiography and Regional Geography.
B.S., University of Chicago, 1926; A.M., Clark University, 1927; Ph.D., 1930.
Assistant Professor, 1932 (February)—1940; Associate Professor since 1940
(February).
- HAROLD S. JANTZ, PH.D. 2 Lowell St.
Assistant Professor of German since 1934.
A.B., Oberlin College, 1929; A.M., University of Wisconsin, 1930; Ph.D., 1933.
- ROBERT H. BROWN, PH.D. 7 Brookline St.
Assistant Professor of Experimental Psychology since 1937.
A.B., Wesleyan University, 1932; A.M., Clark University, 1933; Ph.D., 1935.
- DUNCAN PECK MACDOUGALL, PH.D. 106 Woodland St.
Assistant Professor of Chemistry since 1937.
A.B., Pomona College, 1929; Ph.D., University of California, 1933.
- FREDERICK EUGENE MELDER, PH.D. 8 Breezy Green Rd., Leicester, Mass.
Assistant Professor of Economics and Sociology since 1937.
B.B.A., University of Washington, 1926; M.A., 1931; Ph.D., University of
Wisconsin, 1936.
- DONALD E. SUPER, M.A. 18 Downing St.
Assistant Professor of Educational Psychology since 1938.
B.A., University of Oxford, 1932; M.A., 1936.
- ANDREW HOOVER, PH.D. 9 Hadwen Lane
Assistant Professor of English.
A.B., University of Kentucky, 1932; Ph.D., Yale University, 1939. Instructor,
1936-39; Assistant Professor since 1939 (February).

- GUY A. LEE, PH.D. 95 Maywood St.
 Assistant Professor of American History.
 A.B., Wabash College, 1932; A.M., Harvard University, 1934; Ph.D., 1938.
 Instructor, 1937-38; Assistant Professor since 1939 (February).
- RUDOLPH FINK NUNNEMACHER, PH.D. 2 Clement St.
 Assistant Professor of Biology since 1939.
 B.S., Kenyon College, 1934; M.A., Harvard University, 1935; Ph.D., 1938.
- STUART T. MARTIN, D.Sc. 230 Pleasant St., Leicester, Mass.
 Assistant Professor of Physics and Mathematics.
 B.S., Massachusetts Institute of Technology, 1934; D.Sc., 1938. Instructor,
 1938-40; Assistant Professor since 1940 (February).
- H. EARLE JOHNSON, MUS.M. 15 Chatham Place
 Instructor in Music since 1936, and Director of the Musical Organizations.
 Mus.B., Boston University, 1932; Mus.B., Yale University, 1933; Mus.M., 1934.
- PAUL F. MARBLE, A.M. 16 Marble St.
 Instructor in English since 1939.

OTHER MEMBERS OF THE STAFF

- GREGORY PINCUS, PH.D. 60 Downing St.
 Visiting professor of experimental biology.
- GUY H. BURNHAM, A.M. 19 Woodman Rd.
 Cartographer, Graduate School of Geography.
- SAUL ROSENZWEIG, PH.D. Worcester State Hospital
 Special lecturer in abnormal psychology.
- ERNEST RAYMOND WHITMAN 48 Downing St.
 Director of physical education.
- MICHAEL B. FOX, M.D. 390 Main St.
 Medical director.

RESEARCH ASSOCIATES IN BIOLOGY

- MARK GRAUBARD, PH.D. ZAREH HADIDIAN, PH.D.
 DOROTHY MARTIN, PH.D.

TUTOR IN THE DEPARTMENT OF GERMAN

FREDERICK J. CHURCHILL, A.B.

STUDENT ASSISTANTS

Biology

WILLIAM J. BETINIS, A.B.

ELLSWORTH B. COOK, B.S.

Chemistry

ROBERT E. BROUILLARD, A.M.

BERNARD KOPELMAN, A.M.

OSCAR P. COHEN, A.M.

RICHARD B. MARTIN, A.B.

Economics and Sociology

JOHN A. MCGUIRE, A.M.

FRANK A. TAYLOR, A.B.

Geography

OLIVER H. LAINE, B.ED.

TREVOR LLOYD, B.S.

URBAN J. LINEHAN, B.S. IN ED.

RICHARD F. LOGAN, A.M.

ANDREW D. PAREJDA, A.M.

Geology

HARRY H. COHEN

History and International Relations

ELMER O. A. PLISCHKE, A.M.

ROBERT M. YORK, A.M.

Physics

WALLACE D. KILPATRICK

MATTHEW L. SANDS

Psychology and Education

MARY A. DOLAN, A.M.

SAUL ROSENZWEIG, PH.D.

HOWARD E. PAGE, A.M.

ARTHUR B. WARREN, A.M.

FLORENCE CHANDLER

18 Downing St.

Bursar.

LYDIA P. COLBY

276 Highland St.

Recorder.

JOHN W. BOARDMAN

15 Shirley St.

Superintendent of buildings and grounds.

Administrative Boards and Committees

THE UNIVERSITY FACULTY

The Faculty consists of the President, the Librarian, and all members of the staff giving regular courses of instruction. It has immediate supervision over the general educational work of the University and is responsible for the nomination to the Board of Trustees of candidates for baccalaureate degrees and for honorary degrees.

Secretary of the Faculty, Benjamin S. Merigold.

THE UNIVERSITY SENATE

An advisory board appointed by the President

George H. Blakeslee	Robert S. Illingworth
Samuel J. Brandenburg	Clarence F. Jones
Philip H. Churchman	Vernon Jones
Loring H. Dodd	Homer P. Little

Hudson Hoagland

THE GRADUATE BOARD

The Graduate Board consists of the President and representatives of the departments offering advanced graduate instruction. It has general control of the work of the Graduate Division of the University and is responsible for the nomination to the Board of Trustees of candidates for the degrees of Master of Arts and of Doctor of Philosophy.

President Wallace W. Atwood, *ex officio*

George H. Blakeslee	Clarence F. Jones
Samuel J. Brandenburg	Vernon Jones
Jesse L. Bullock	Dwight E. Lee
Raymond B. Cattell	Arthur F. Lucas
W. Elmer Ekblaw	James A. Maxwell
Robert H. Goddard	Benjamin S. Merigold
Hudson Hoagland	David Potter

Samuel Van Valkenburg
H. Donaldson Jordan, *Secretary*

Alternate

Percy M. Roope

THE COLLEGE BOARD

The College Board consists of the President, the Dean of the College, and six members of the Faculty, appointed by the President. It has immediate supervision over the work of the Undergraduate Division, subject to the control of the Faculty, and recommends to the Faculty candidates for the degree of Bachelor of Arts.

President Wallace W. Atwood } *ex officio*
 College Dean Homer P. Little }

H. M. Bosshard
 Andrew Hoover

Duncan P. MacDougall
 Donald E. Super

Samuel Van Valkenburg
 Dwight E. Lee, *Secretary*

THE COMMITTEE ON EXTENSION COURSES AND SPECIAL STUDENTS

The Committee exercises general supervision over "courses of college grade for adults" and over special students including candidates for the degree of Bachelor of Education, and recommends to the Faculty candidates for this degree.

President Wallace W. Atwood, *ex officio*
 Philip H. Churchman, *Chairman*

Samuel J. Brandenburg, *Secretary*

H. Earle Johnson

H. M. Bosshard

Homer P. Little

The Director of the Summer School, *ex officio*

THE COMMITTEE ON THE SUMMER SCHOOL

President Wallace W. Atwood, *ex officio*

Director of the Summer School, Robert S. Illingworth

George H. Blakeslee

S. Van Valkenburg

Samuel J. Brandenburg

THE COMMITTEE ON PERSONNEL AND ORGANIZATION

Elected annually to advise the President regarding the personnel and the organization of departments.

Vernon Jones
 Dwight E. Lee

Homer P. Little
 James A. Maxwell

Benjamin S. Merigold

THE COMMITTEE ON CURRICULUM

President Wallace W. Atwood } *ex officio*
 Dean Homer P. Little }
 Philip H. Churchman, *Chairman*

Leroy A. Ames
 Loring H. Dodd

Vernon Jones
 Dwight E. Lee

Samuel J. Brandenburg

STANDING COMMITTEES OF THE
GRADUATE BOARD

The President of the University is, *ex officio*, a member of all committees of the Graduate Board.

THE COMMITTEE ON CREDENTIALS

The committee passes upon applications for admission to the graduate division and makes recommendations to the Graduate Board in respect to fellowships and scholarships and candidacy for graduate degrees.

Clarence F. Jones, *Chairman-Secretary*

George H. Blakeslee
 Samuel J. Brandenburg

Vernon Jones
 Benjamin S. Merigold

THE COMMITTEE ON PROFICIENCY IN FOREIGN LANGUAGES

The committee examines candidates for the degree of Doctor of Philosophy for proficiency in foreign languages.

Philip H. Churchman, Professor of Romance Languages
 Heinrich M. Bosshard, Associate Professor of German
 A representative of the student's major department.

STANDING COMMITTEES OF THE COLLEGE BOARD

The President of the University and the Dean of the College are, *ex officio*, members of all committees of the College Board.

EXECUTIVE COMMITTEE

Dwight E. Lee, *Secretary*

Andrew Hoover

THE COMMITTEE ON ADMISSIONS

Samuel J. Brandenburg
Robert S. Illingworth

Carey E. Melville
Benjamin S. Merigold

COMMITTEE ON DEPARTMENTAL HONORS

Vernon Jones, *Chairman*

Leroy A. Ames
Samuel J. Brandenburg

H. Donaldson Jordan
David Potter

David M. Dougherty

THE COMMITTEE ON ATHLETICS

David Potter, *Chairman*

Arthur F. Lucas

Ernest R. Whitman

James A. Maxwell

COMMITTEE ON STUDENT FINANCES

Guy H. Burnham, *Chairman*

James A. Maxwell

Ernest R. Whitman

COMMITTEE ON SOCIAL AFFAIRS

F. Eugene Melder, *Chairman*

Wallace W. Atwood, Jr.

H. Donaldson Jordan

COMMITTEE ON FRATERNITIES

W. Elmer Ekblaw, *Chairman pro tempore*

Dwight E. Lee

Arthur F. Lucas

COMMITTEE ON PUBLICATIONS

Leroy A. Ames, *Chairman*

Heinrich M. Bosshard

Percy M. Roope

The University

THE LOCATION

Clark University is located in Worcester, Massachusetts, an industrial and educational center with a population of about two hundred thousand. It is approximately forty miles from Boston and from Providence, R. I., and two hundred miles from New York City.

GROUNDS AND BUILDINGS

The university campus is a tract of eight acres bounded by Main, Woodland, Maywood, and Downing Streets, about a mile and a quarter from the City Hall. Here the principal buildings are located. Besides this tract, the institution owns the athletic grounds between Maywood and Beaver Streets, the athletic field at the corner of Park Avenue and Beaver Street, the land on Woodland Street between Charlotte and Downing Streets, where Estabrook Hall is located, other property opposite the campus on Woodland Street, and the Hadwen Arboretum on Lovell Street. The residences of the president and of the dean of the college are on Woodland Street, opposite the campus.

ORGANIZATION

The UNIVERSITY includes:

THE UNDERGRADUATE DIVISION offering to men a general college course leading to the degree of Bachelor of Arts.

THE GRADUATE DIVISION offering advanced instruction leading to the degrees of Master of Arts and of Doctor of Philosophy.

THE GRADUATE SCHOOL OF GEOGRAPHY offering special training leading to higher degrees in geography.

THE SUMMER SCHOOL offering both undergraduate and graduate instruction with special reference to candidates for the degrees of Bachelor of Education and Master of Arts.

THE EXTENSION DIVISION offering courses at the university in the late afternoon, evenings and on Saturday, with special reference to the needs of candidates for the degree of Bachelor of Education.

THE LIBRARY with its separate endowment, offering unusual opportunities for study and research.

THE CLARK UNIVERSITY PRESS is associated with the university in the publication of scientific books and journals.

THE DEPARTMENTS at present offering courses of study are:

1. Ancient Languages and Literatures
2. Biology
3. Chemistry
4. Economics and Sociology
5. Education
6. English Language and Literature
7. Fine Arts
8. Geography
9. Geology
10. German Language and Literature
11. History and International Relations
12. Physics and Mathematics
13. Psychology
14. Romance Languages and Literatures

THE ACADEMIC YEAR

The academic year begins on the Monday before the fourth Thursday in September, and ends on Commencement Day, the thirty-eighth Monday (the first or second Monday in June). The first semester ends on the Saturday before the twentieth Monday and the second semester begins on the twentieth Monday of the academic year. There are three recesses during the college year: Thanksgiving Day and the two days following; two weeks including Christmas and New Year's Day; and the first full week in April. University exercises are suspended also on Washington's Birthday, and Memorial Day.

The summer school begins on a Monday near the first of July and continues in session for six weeks.

Students are expected to be present on the first day of each term and to continue in attendance from day to day to the end of the term.

ADMISSION

Three classes of students are admitted:

1. Undergraduates. For requirements see announcement of the Undergraduate Division.

2. Graduate students. For requirements see announcement of the Graduate Division.

3. Special students. (a) Mature persons, not candidates for a degree, who wish to take advantage of the opportunities for study afforded by the university, and who give satisfactory evidence of adequate preparation for the work which they wish to undertake. (b) Candidates for the degree of Bachelor of Education. For requirements see announcement of the Bachelor of Education degree.

Requests for information and for application forms should be addressed to the OFFICE OF THE UNIVERSITY, 950 MAIN STREET, WORCESTER, MASSACHUSETTS.

REGISTRATION

Undergraduates register programs of studies for each semester at a time designated before the end of the preceding semester. Graduate students and special students register on the first day of each semester. The first day of the summer session is devoted to the registration.

Failure to register at the time designated is penalized, in the case of undergraduates, by a charge of one dollar for each day's delay up to a maximum of five dollars.

TUITION AND FEES

TUITION

Beginning September 1940, tuition will be \$240 per year. There will be no "gymnasium fee" for undergraduates, but each undergraduate will pay an "activities fee" of \$10 each semester.

Tuition, undergraduate and graduate, is \$200 per year. In addition to the tuition the university collects from each undergraduate five dollars each semester for the support of "student activities," and five dollars each semester as a "gymnasium fee." Students, other than undergraduates, who enroll in fewer than four courses are charged at the rate of \$30 per course for a semester. A proportionate charge is made for fractional courses. Tuition is payable in two equal installments, due at the beginning of each semester. If the tuition is not paid within ten days after it is due the enrollment of the student lapses. A student whose enrollment has lapsed for non-payment of tuition may be re-enrolled, with the permission of the proper administrative officer on payment of the overdue tuition with an additional fee of \$2.

A fee of \$10 per semester, in addition to the regular tuition, is charged for the course in Practical Arts given at the Worcester Art Museum.

Tuition in the summer school is \$20 for a single course, \$35 for two or three courses (a normal program), and \$45 for four courses. Tuition may be paid at any time before the opening of the summer school, and must be paid by noon of the first Saturday of the term.

Tuition in extension courses (courses of college grade for adults) is \$8 for a course meeting one hour per week for one semester and \$15 for a course meeting two hours a week for one semester.

The following regulation was adopted by the trustees at a meeting held March 28, 1931.

"No refund of tuition and no release of obligation to pay tuition shall be made because of failure for any reason on the part of a student to complete the work of any semester after it is begun."

MATRICULATION FEE

A matriculation fee of \$5 is required of all students formally enrolled in Clark University. This fee is paid but once, and permits a student to return in successive years, or after a period of absence, without further charge for matriculation.

Students who register for the summer school pay the matriculation fee.

Persons enrolled as "auditors" are not required to matriculate.

Official statements of record are issued by the recorder of the university for matriculated students only.

LABORATORY FEES AND DEPOSITS

Laboratory fees are charged at the rate of \$5 each semester for undergraduate laboratory courses.

A deposit of \$10 for each course, to cover breakage, is required of students taking undergraduate laboratory work in chemistry. The department notifies the bursar at the end of the year of the total charges against the student for breakage, and any balance remaining is returned. If the deposit is not sufficient to cover the breakage charges, any excess is collected by the bursar.

Graduate students taking undergraduate courses pay the same fees and deposits as undergraduates.

A deposit of \$25 is required of each graduate student in the department of chemistry, at the beginning of the year. Ordinary

supplies and materials are charged to the student's account at cost. Any balance remaining is refunded at the end of the year.

Laboratory fees and deposits for breakage are due at the time of registration for the courses.

PUBLICATION FEES

Publication fees, \$10 for the Master of Arts thesis and \$15 for the Doctor of Philosophy dissertation, are due when applications for admission to candidacy are filed.

DIPLOMA FEES

Diploma fees are charged according to the following schedule:

\$5, for the Bachelor of Arts or the Bachelor of Education diploma, due at the beginning of the second semester of the year in which the candidate expects to receive the degree.

\$10, for the Master of Arts diploma, due when application for admission to candidacy is filed.

\$25, for the Doctor of Philosophy diploma, due when application for admission to candidacy is filed.

DINING HALL AND DORMITORY

Board at the dining hall is furnished at a reasonable rate which has varied from year to year. During the current year the charge is \$7.50 per week, with *no refunds for absences except in cases of protracted illness.*

Undergraduates who do not live in their own homes are required to board at the dining hall.

Estabrook Hall, the undergraduate dormitory completed in 1924, provides accommodations for about fifty students.

Beginning September 1939, the charges for rooms in Estabrook Hall are as follows:

For all rooms, except those on the mezzanine floor:

Suite of two rooms occupied by two men, \$125 per year for each occupant

Suite of two rooms occupied by one man, \$150 per year.

Single room occupied by two men, \$110 per year for each occupant.

Single room occupied by one man, \$135 per year.

For rooms on the mezzanine floor:

Single room occupied by two men, \$115 per year for each occupant.

Single room occupied by one man, \$135 per year.

Dormitory room rent is payable either in advance or one-fifth at the beginning of each semester and one-tenth on the first day of November, December, January, March, April and May. Each student is required to deposit \$25 before occupying a room. This deposit is returned, less a charge for lights and any charges for damages to the room or its furnishings, when the key to the room is surrendered to the Bursar.

Freshmen not living in their own homes are required to room in Estabrook Hall.

Rooms are assigned to freshmen in order of application, when the application is accompanied by the deposit of \$25. Students who indicate a desire to room together will be accommodated whenever possible. Rooms not required for freshmen may be rented by upper classmen or by graduate students.

The university has dormitory accommodations in the "Faculty House" for a small number of graduate students.

OTHER EXPENSES

Students will find that the necessary expenses of living in Worcester are comparable with similar costs in any large city. The total is largely dependent upon the individual's habits and tastes.

Lodgings may be secured at a reasonable cost in private houses within convenient distance from the campus.

The cost of books varies with the programs of study. The University maintains a bookstore where textbooks and supplies may be procured.

FELLOWSHIPS, SCHOLARSHIPS AND LOANS

Fellowships, scholarships and loans or other grants for graduate students are available as stated in the announcement of the graduate division.

Undergraduate scholarships and loans or other grants are available as stated in the announcement of the undergraduate division.

HEALTH AND PHYSICAL TRAINING

The medical director, Doctor Michael B. Fox, exercises general supervision over matters of health and hygiene in the University. For undergraduates a thorough medical examination is required at the beginning and end of each year.

The medical director is available during the academic year for

conferences and medical advice. It is intended that his services shall be primarily of a preventive nature. The university does not conduct an infirmary and does not undertake to care for cases of illness requiring medical attention or hospital accommodations, although it will co-operate in every possible way in meeting such emergencies.

The University does not accept responsibility for injuries which may be suffered by students in laboratories or classrooms or elsewhere on university property; or in athletic contests or physical training; or in the course of trips sponsored by the University, either as "field trips" for instructional purposes or in connection with extra-curricular activities.

The director of physical education has supervision over all required physical training and other athletic activities. In the matter of intercollegiate contests he is assisted by the committee on athletics.

The new gymnasium building was completed during 1937-38.

The Library

EDITH M. BAKER, *Acting Librarian*

HELEN J. ELLIOT, *Cataloguer*

Assistants

MARION HENDERSON
ELEANOR M. HILL

DOROTHY HOLWAY
EDITH L. SAWYER

Student Assistants

JOHN S. HEBBERD

ROBERT S. MILNE

The library, under the terms of Mr. Clark's will, received one quarter of his estate for the "support and maintenance of a university library." Thus the library is well endowed and is able to provide amply for the needs of all departments. It contains over 163,000 bound volumes and pamphlets, and the reading room receives about 596 journals.

A new stack room in the form of a tower has been added to the library, which should provide for fifty years growth.

Particular attention is paid to the needs of students engaged in research work. The library already possesses a good collection of complete sets of the best scientific periodicals. It makes liberal purchases for individual needs and supplements these by drawing upon the resources of the older and larger libraries through the inter-library loan system. The number of books added each year is about 3,000 volumes.

The books in the art department are accessible on application to the librarian, but, by the terms of the founder's will, they *cannot* be taken from the building.

All regular privileges of the library are open to all members of the university.

Tuesday and Friday mornings, each week, all books recently added to the library are placed upon a table in the reference section, where they remain for three days. This affords the members of the university an opportunity to examine the new books in all departments before they are placed upon the shelves for circulation.

The library is open from 8 a. m. to 10 p. m. each week day (except on legal holidays), during the regular sessions of the university. During the summer school session the library is open from 8 a. m. to 6 p. m.

ART DEPARTMENT

In his last will and testament the founder of the University bequeathed

"the sum of \$100,000, as an endowment fund for the art department of said university, and said sum is to be held and kept sacred and intact as a principal not to be used or expended under any conditions; but the income, interest or proceeds thereof shall be used only in putting and keeping said works of art or others given or obtained for said department in good condition and in taking care of them; and then if there is a surplus of the income of said fund, I will and direct that it be used in the purchase of additional works of art or of such matters as will add to the usefulness and efficiency of said art department."

Under these conditions a large room has been furnished and equipped on the upper floor of the library building. Upon the death of Mrs. Clark, those works of art of the founder's collection which were deemed most suitable for this purpose were arranged and displayed in this room, together with his most valuable books, which by the conditions of the will cannot be removed from the building. A complete catalogue of these books and paintings has been published in the *Publication of the Library*, Vol. 2, No. 1.

The most recent addition to the collection is a portrait of Louis N. Wilson, librarian of Clark University from 1889 to 1929, by Leopold Seyffert of New York.

The art department is open daily (except Sundays and holidays) from 9 a. m. to 5 p. m.

The Undergraduate Division

"CLARK COLLEGE"

The college offers a general program leading to the degree of Bachelor of Arts. Distinctly vocational or professional programs are not offered.

When the college was established in 1902, a three-year course was adopted as the normal one for the baccalaureate degree. This innovation was due to the emphasis placed upon a three-year course in the will of the founder, based on a conviction that properly prepared students could secure in three years, under favorable conditions, a training essentially equivalent to that ordinarily obtained in a four-year college course. Increasing pressure, both for the admission of high school graduates who could not qualify for the three-year course and for a larger development of extra-curricular activities, led ultimately to the abandonment of the original plan. Beginning with the class which entered in September, 1922, a four-year course became the normal one leading to the degree of Bachelor of Arts. The opportunity to complete the course in three years is still open, as in other colleges, to well prepared and serious students. Only a small number avail themselves of this opportunity.

EXPENSES

Beginning September 1940 a new schedule of fees and other charges will become effective as follows: tuition, \$240; room rent, \$110-135; activity fee, \$20. The gymnasium fee will be abolished.

A student in the college who lives at the dormitory and takes his meals at the dining hall will find that his necessary expenses for the college year amount to about \$675, exclusive of such variable items as cost of travel, clothing and laundry, recreation, etc.

This expense is distributed as follows:

Matriculation (first year only)	\$5.00
Tuition	240.00
Room rent	110.00-150.00
Board (34 weeks at \$7.50)	255.00
Activity fee	20.00
Laboratory fees (estimated)	10.00
Books and supplies (estimated)	25.00
Total	\$660.00-705.00

A room deposit of \$25 is required of students who room in the dormitory and a breakage deposit of \$10 is required for each laboratory course in chemistry. After deducting charges against these deposits, any balances remaining are returned to the depositors at the end of the academic year.

A more detailed statement in regard to fees and expenses will be found under the heading TUITION AND FEES.

SCHOLARSHIPS AND STUDENT AID

THE JONAS G. CLARK SCHOLARSHIPS established by the trustees in January, 1925, provide scholarships of the value of one hundred dollars each to fifty undergraduates.* Twenty of these scholarships are reserved for applicants for admission to the freshman class who rank in the upper quarter of their graduating classes in preparatory schools, eight of them being for graduates of the high schools of Worcester. Of the remaining thirty scholarships, ten are reserved for each of the three upper classes, for students who rank in the upper quarter of each class.

These grants are for the encouragement of high grade scholarship. In conformity with this purpose they are subject to the following conditions: (1) one-half the value of the scholarship is deducted from the term bill of the holder at the beginning of each semester; (2) a scholarship is automatically forfeited for the second semester if the holder fails to maintain a rank in the upper half of his class during the first semester.

THE SANFORD MEMORIAL SCHOLARSHIP FUND, established by alumni of the university, provides an annual scholarship, amounting at present to \$200, for a student in the college.

THE LIVERMORE AND AMBULANCE SCHOLARSHIP was endowed by citizens of Worcester in honor of Charles Randall Livermore, the first Clark man to fall in battle in the World War, and of his companions in the Clark Unit of Ambulance Drivers. Fifty dollars or more is offered annually, to be awarded on the basis of academic success, character, and usefulness to the college. The scholarship is open to students who are residents of Worcester County.

THE HENRY A. WILLIS FUND provides scholarships for students from Fitchburg, Massachusetts, and vicinity. In the absence of

*Thirty additional scholarships have been offered in recent years to entering freshmen as a contribution by the University toward the alleviation of the existing conditions of widespread unemployment and reduced incomes.

suitable candidates from this community grants may be made to others.

THE CHARLES B. RANDOLPH SCHOLARSHIP FUND, established by the late Professor Randolph is expected to provide about \$200 which will be available for scholarships in 1940-41.

THE B'NAI BRITH SCHOLARSHIP, provided by the Worcester chapter, Order of B'nai Brith, is primarily but not exclusively for the aid of Jewish students.

THE PROBUS CLUB OF WORCESTER offers a half tuition scholarship of one hundred dollars.

THE CLARK UNIVERSITY FACULTY WOMEN'S CLUB offers a \$100 scholarship to an applicant who ranks high in intellectual and personal qualities. The club is assisted by alumnae and wives of alumni. Application should be addressed to *The Chairman, Scholarship Committee, Clark University Faculty Women's Club*.

THE CLARK UNIVERSITY ALUMNAE ASSOCIATION has, for several years, offered a scholarship of one hundred dollars to a freshman.

Applications for undergraduate scholarships should be filed at an early date on blanks which may be secured at the general office. Awards are made by the College Board.

The board expressly reserves the right to award fewer than the full number of scholarships in any year if for any reason this seems advisable.

Aid given in the form of scholarships is not regarded as a loan. It is recognized, however, that those who receive such aid may wish to return the amount in later years. *Any sums received from this source will be added to the ALUMNI LOAN FUND of the College.*

LOAN FUNDS

THE ALUMNI LOAN FUND is a permanent revolving fund established by the trustees and the alumni. To this has been added a fund of about \$500 contributed by L. Kelly Foster, C. B. L. Kelley, Isadore Lubin, H. M. Smith, and others.

THE ESTABROOK LOAN FUND was created by the generosity of the late Arthur F. Estabrook of the board of trustees.

Loans from these funds are made to undergraduates by the dean of the college in coöperation with the Alumni Committee on Loans.

THE SARAH M. THURBER LOAN FUND was established by the late Dr. Charles H. Thurber, former president of the Board of

Trustees, as a memorial to his mother. The fund is administered by the president of the university.

Loans are covered by endorsed notes payable at a fixed date and bear interest at the rate of 6 per cent per year. Interest received from loans is in all cases added to the fund from which the loan was made.

ADMISSION

Every admission is an "admission on trial" to the actual work at the college. The university reserves the right to require the withdrawal at any time of any student whose record in either conduct or scholarship fails to meet the expectations implied by his admission.

Application blanks, as well as official transcripts of preparatory school records and certificates of character, should be sent directly to the college by the school officials who sign them.

Special students are not admitted to the college. They may be admitted to the university on the recommendation of a department and under the supervision of the Committee on Extension Courses and Special Students.

ADMISSION TO THE FRESHMAN CLASS

Satisfactory references as to character and the completion of a four-year high school course or its equivalent, including fifteen units of credit in acceptable subjects, are required for admission to the freshman class. A statement of "quality requirements" will be found in the following section.

The term "unit" is understood to mean approximately one quarter of a pupil's normal program of work for the school year.

The "fifteen units of credit in acceptable subjects" must include the "required subjects," 5 units; not less than seven units from the "restricted electives"; and not more than three units from "free electives."

A normal preparatory program will include:

Required subjects, 5 units

English, 3 units (4 years)

*Mathematics, 2 units (Algebra and Geometry)

*Candidates expecting to specialize in science are advised to present at least 3 units of mathematics.

Restricted electives, 7 or more units (see note 1) chosen from
Foreign language, 2, 3 or 4 units (see note 2)
Social sciences, 2 or 3 units (see note 3)
Natural sciences, 2 or 3 units (see note 4)
Mathematics, 1 or 2 units (in addition to required units)

Free electives, not more than 3 units, at the discretion of the committee on admissions, in "commercial subjects" or other subjects recognized by the preparatory school in its regular program leading to graduation.

NOTE 1. Each of the first three groups of subjects under "restricted electives" must be continued in college.

NOTE 2. The college does not recognize less than 2 units in any foreign language.

NOTE 3. History, Government, Civics, Economics, etc.

NOTE 4. Physics, Chemistry, Biology, etc.

An applicant for admission to the freshman class should supply, on blanks furnished by the college:

1. A signed application for admission which should be forwarded by the principal of the school in which the applicant has prepared for college, after the "Personality Rating Scale" has been completed by a responsible officer of the school. This application should be filed with the Dean at the earliest practicable date.
2. A complete statement of his preparatory school record and of the subjects in which he can be "certified." This should be mailed to the dean by an officer of the school, preferably immediately after the end of the first half of the senior year. *Records received at this time will be returned to the school for final "certification" at the end of the year.* (See statement below in regard to certification.)
3. Records of any entrance examinations which he may have taken and of any action by any other college in respect to admission.

QUALITY REQUIREMENTS

Applicants whose references are satisfactory and who are "certified" in fifteen acceptable units from approved schools will be admitted without conditions.

Applicants who present fourteen "certified" units and one "pass" unit may be admitted with *one condition* (see below); those

with thirteen "certified" units and two "pass" units may be admitted with *two conditions*. No applicants will be admitted without at least thirteen acceptable units of "certified" credit. A satisfactory record in examinations of the College Entrance Examination Board will be accepted as equivalent to "certification" in any subject.

Certificates are accepted from schools on the list of the New England College Entrance Certificate Board. Schools located in New England but not on this list may apply for "specimen" certification privileges to the secretary of the board, Dean William L. Machmer, Massachusetts State College, Amherst, Mass.

A certificate from a school which lies outside of the jurisdiction of the board may be accepted and will be interpreted in the spirit of the regulations of the board. It will be assumed that the school is willing to be judged, in respect to continued "certification" privilege, on the basis of the college records of the candidates in subjects which are "certified."

ENTRANCE EXAMINATIONS

Applicants who cannot present at least thirteen "certified" units should arrange in consultation with the dean of the college to take "College Board" examinations in June. Information concerning these examinations may be obtained from school officers or by addressing the College Entrance Examination Board at 431 West 117th St., New York City. Applications for examinations must be received by the board before the end of May.

Those who make a satisfactory record in designated examinations may be admitted to the college with or without conditions. The college will determine in each case what constitutes a satisfactory record in the examinations.

A final opportunity to qualify for admission by examination is offered at the college immediately before the opening of the academic year in September. These examinations are provided by the College Entrance Examination Board, and are intended to supplement those held in June. Admission to these examinations is by special permission in each case. The Board charges the same fee for these examinations as for those held in June. The University charges an additional fee of one dollar for each examination to cover incidental costs.

REQUEST FOR APPLICATION BLANKS

Correspondence regarding admission to the college should be addressed to the Dean of the College.

Scholastic ability, character and good health are the chief bases for the selection of those who are admitted.

Applications should be filed at as early a date as is possible, preferably not later than March 1, of the year in which the applicant plans to enter Clark University. *No unduly late application can be promised consideration for the ensuing academic year.*

The detachable form below may be conveniently used in applying for blanks on which a formal application for admission to the college may be filed.

CLARK UNIVERSITY

REQUEST FOR "APPLICATION FOR ADMISSION" BLANKS

Name.....
(Last name) (First name) (Middle name)

Home address.....
.....

Name of parent or guardian.....

Address (if different from applicant's).....

Schools attended during past four years

Dates of attendance

.....
.....
.....
.....

Check method of admission (✓): Examination.....; certificate.....; both.....

Date.....19..... Year of proposed entrance.....

ADMISSION WITH CONDITIONS

Applicants who present fifteen "pass" units in acceptable subjects but who are not "certified" in one or, at most, two units, may be admitted with one or with two conditions respectively. Applicants whose shortage in "certified" units is more than two have an opportunity to qualify for admission, with or without conditions, by satisfactory records in "College Board" examinations.

Conditions may be in specified subjects, or may be general, in the latter case indicating some deficiency in the high school course as a whole. All conditions are terminated at the beginning of the sophomore year either by removal in the manner specified below or by additions to the requirements for graduation.

Conditions are removed if at the end of the freshman year the conditioned student has met the normal scholarship requirements for regular standing, namely, no failures and grades above D+ in three fourths of the total credit earned at that date. Conditions may also be removed by satisfactory records in "College Board" examinations covering the conditioned subjects in June or September following the freshman year.

Applications for examinations in September, for the removal of conditions, should be filed with the recorder not later than the first of July preceding the date of the examinations. The fee for examination must be paid when applications are filed.

Each condition not removed at the beginning of the sophomore year will be replaced by an additional requirement for graduation amounting to one half-course.

ADMISSION TO ADVANCED STANDING

A student who wishes to enter the college after having been enrolled in another institution of college grade is required to submit a letter of honorable dismissal, a complete transcript of his record at the institution last attended and such other information as the Committee on Admissions may request. If he is admitted he will be provisionally assigned to the freshman, sophomore, junior, or senior class and will be permitted to register for a suitable program. He will not be given a final class rating until he has been in residence for at least one semester. After a semester in residence he will be given conditional credit for the work done elsewhere to an amount determined by vote of the College Board, on the recommendation of the recorder and the departments concerned.

The bachelor's degree will not be conferred upon a student until

he has spent at least a year in residence at Clark University, and usually not unless the period of residence includes the two semesters immediately preceding the granting of the degree.

FACULTY ADVISERS

When a student is admitted to the college he is assigned to a member of the faculty who will act as his adviser. The adviser will assist the student in making up his program of studies for registration and will be ready at all times to afford him help and counsel, either in regard to problems of college life or other matters. The student should consult with his adviser as soon as possible after the opening of the college year in order to outline his program of studies.

FRESHMAN INDUCTION PERIOD

The freshman class assembles at the college on Friday before the opening of the academic year and spends Friday and Saturday in becoming acquainted with the college, and in completing certain preliminary exercises.

REGISTRATION

Registration of a program of studies for the first semester of each year takes place in the preceding spring. Registration for the second semester takes place before the end of the first semester. Due notice of registration periods is given. Failure to register before the end of the periods designated involves a charge of \$1 for each day's delay up to a maximum of \$5.

A student's record of attendance begins with the first day of the semester. No credit for attendance is given until registration is completed.

Changes in the registration for the first semester may be made on forms supplied by the Recorder at any time before the end of the second week of the college year, on payment of a fee of \$1 for each change. This fee may be remitted for adequate reasons, upon petition to the College Board. During the first week of the second semester changes of courses may be made for sufficient reason with the written approval of the student's adviser and the instructors concerned. After the first week no changes may be made except such as are authorized by special vote of the College Board.

Freshmen may register for programs of either five or six courses in the first semester. In subsequent semesters programs of six

courses are restricted to students whose average grade in all courses for the preceding semester has been C+ or better, except in the case of seniors. A senior whose graduation at the end of the year depends upon the completion of a program of six courses may register for such a program in either semester if his average grade for the preceding semester has been C- or better.

The election of a *major subject* is required as part of registration at the beginning of a student's second year in college. This election when once recorded may be changed only with the approval of the dean. Although the *major subject* is not officially regarded as fixed until the student's second year in college, he should plan his course as definitely as possible from the beginning with his probable choice in view.

STUDENT PROGRAMS

The curriculum permits considerable freedom of adjustment to individual differences of interest. Each student's program of studies includes a group of courses constituting a *major*, together with required courses in English and in fine arts or music, also certain courses chosen under regulations intended to insure a reasonable distribution of work among the various departments. A large part of each program is made up of courses chosen without restriction.

For statements as to what particular courses may be combined to form a *major* the announcements of the different departments should be consulted.

Regular students normally carry programs of five courses in addition to the required work in physical training. In general it is expected that a course meeting three times weekly will require two hours of preparation for each lecture or recitation. Laboratory periods are usually three hours in length.

A student carrying the regular program should expect his college work to require from forty-five to fifty hours of his time per week, in addition to the work in physical training.

Candidates for the bachelor's degree in less than four years will generally carry programs of six courses and should expect to spend practically their entire time on their college work.

The subjects in which instruction is offered, excepting Fine Arts and Music, are grouped in three divisions:

DIVISION A

Biology, Botany, Chemistry, Experimental Psychology, Geology, Mathematics, Meteorology, Physics, Physiology.

DIVISION B

Economics, Education, Geography, History, International Relations, Psychology, Sociology.

DIVISION C

Ancient Languages, English, German, Romance Languages.

First year students must make up their programs entirely from courses designated as "Open to Freshmen."

The program for the freshman year must include:

1. English 11.
2. A course in foreign language.
3. A course in division A.
4. A course in division B.
5. An elective. (Mathematics 10 or 11 for students intending to major in division A.)

Second year students should, as a rule, continue work in foreign language, and complete as many as may be possible of the requirements listed below.

Any first year requirements which have not been completed must be included in the program of courses for the second year.

Undergraduates, other than freshmen, may enter any course listed "primarily for undergraduates," for which, in the judgment of the instructor in charge, they are prepared. Seniors and juniors who have completed the published prerequisites are admitted, at the discretion of the instructor in charge, to courses listed "for graduate students and advanced undergraduates." Undergraduates are not admitted to courses "primarily for graduate students" except in rare cases, and then only by special vote of the College Board and the approval of the secretary of the Graduate Board.

Regular physical exercise is required of all students for the general promotion of their health and mental efficiency. This is scheduled at times which avoid conflict with recitation hours. *Students may be excused from this requirement only on the recommendation of the college physician.*

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

All college regulations involving a quantitative statement of "credit" are expressed in terms of "courses."

A "course" as a unit of credit implies, normally, three or four class

meetings or laboratory exercises per week throughout the academic year, i.e., one-fifth of a student's normal program. Where departments offer fractional courses, these will be combined in reckoning a student's total credit in courses.

A student in good standing in the college will be recommended for the degree of Bachelor of Arts, unless in the judgment of the College Board there is cause for withholding this recommendation, whenever he completes all of the following requirements.

1. Not less than three academic years of college study in residence. At least one full year and usually the last year before the degree is conferred must be spent at Clark University.
2. Twenty "courses," in addition to the required work in physical training, with satisfactory scholarship record.
3. Three years of physical training, two hours per week.
4. A *major* of seven courses, four or five of which must be in a "major department." The remaining two or three courses must be taken in subjects related to the major subject. The entire group of seven courses must be approved by the major department as constituting a satisfactory *major*.

Mathematics is a requirement in the freshman year for students who intend to major in division A. This course may be included in the *major* of seven courses.

Elementary Greek or Latin is a requirement in the freshman year for students who expect to major in division C, unless at least two units of one of these languages have been accepted for admission. This course may be included in the *major* of seven courses.

5. *English.* (i) English 11, or its equivalent; a requirement in the freshman year for all students.

(ii) An additional half course in English literature, composition or public speaking.

(iii) Satisfactory proficiency in the use of English, certified by a faculty committee appointed for this purpose; a requirement for all students before the degree of Bachelor of Arts is conferred.

6. *Fine Arts or Music.* A half course chosen from the courses listed under "Fine Arts" or "Music."
7. *Foreign language.* (1) One course in foreign language, required in the freshman year for all students.

(2) One course in a foreign language at or beyond the level of third year college courses in that language; a requirement

for all students before the degree of Bachelor of Arts is conferred. This requirement may be met by the course required in the freshman year.

8. *Division A.* Two courses, one of which must be a "laboratory course"; or one "laboratory course" and two half courses.

This requirement is reduced to one "laboratory course" in the case of students whose admission record includes credit for four units in science (not including mathematics).

Courses in the history of the sciences may not be counted toward the fulfilment of this requirement.

9. *Division B.* Two courses, or the equivalent in half courses.

GRADING AND SCHOLARSHIP

Courses with grades of D+, D or D- may be counted toward the A.B. degree only up to a maximum of one quarter of total credit required; i.e. not more than five (5) such courses, or their equivalent in fractional courses, may be counted. If some of the twenty courses required for the degree are not graded, then the maximum credit which may be counted with grades of D+, D or D- is limited to one quarter of the total credit from all courses in which grades are given.

CLASSIFICATION OF STUDENTS

Students are classified as freshmen, sophomores, juniors and seniors on the basis of the amount of credit toward the A.B. degree shown by their records at the beginning of each academic year. It is to be noted that this classification involves the question of quality as indicated in the preceding section. Neither length of residence nor number of courses completed without the required quality distribution will change a student's classification.

A student who at the beginning of any academic year, has credit of less than two and one half courses is classified as a *freshman* for that year.

A student who, at the beginning of any academic year, has credit of two and one half courses or more, but less than eight courses is classified as a *sophomore* for that year.

A student who, at the beginning of any academic year, has credit of eight courses or more but less than fourteen courses is classified as a *junior* for that year.

A student who, at the beginning of any academic year, has credit of fourteen courses or more is classified as a *senior* for that year.

A student who has announced his intention of becoming a candidate for the degree of Bachelor of Arts in three years and who, at the beginning of his third year has completed not less than two thirds of the twenty courses required for graduation is classified as a *senior* for that year.

Any student who, at the beginning of the second semester, is clearly in a position to complete the requirements for the degree before the beginning of the next academic year is classified as a *senior* for the second semester.

GENERAL HONORS

First honors and *second honors* are awarded annually to those members of each class who have, in the judgment of the College Board, distinguished themselves by their scholarship during the year.

The bachelor's degree is awarded *with honor*, *with high honor*, and *with highest honor* to those members of each graduating class whose records warrant this distinction.

DEPARTMENTAL HONORS

"Honors programs" leading to the degree of *Bachelor of Arts with honors in a particular department* may be undertaken by members of the junior class whose cumulative scholarship averages place them among the highest third of their class. This plan permits an able and ambitious student to organize the work of his junior and senior years into a unified individual program including a certain number of "honors courses," i.e. undertakings which lie outside regular course offerings, and in which the student works with a considerable measure of independence under the general supervision of his "honors adviser."

A candidate for honors in a particular department may file a formal application, in writing, with his major department *not later than the first day of May* in his sophomore year. If the application is favorably endorsed by the department concerned, it comes before the College Board for final action after the sophomore year has been completed. The College Board may at its discretion consider later applications and may admit a student to honors work as late as the end of the first semester of his junior year.

When an applicant has been provisionally accepted by a department for an honors program, he is assigned to a member of the department who acts as "honors adviser." The adviser has super-

vision of all matters pertaining to the honors program. A program for the student's junior and senior years is prepared in consultation with the adviser. This program may involve independent supervised study replacing work in regular classes to the equivalent of two full "courses." This program is filed with the recorder when the student registers for his first semester as an "honors student."

Admission to candidacy for departmental honors does not relieve a student from any of the standing regulations of the college except as specifically here stated. A candidate for departmental honors will receive the degree of Bachelor of Arts *with honors in his major subject* if he completes the general requirements of the college and in addition thereto:

(a) Maintains a scholarship standing such that his current average (not cumulative) for each semester places him in the upper half of his class.

(b) Completes satisfactorily the program of regular course work and of independent supervised study referred to above.

(c) Makes a satisfactory record in a comprehensive examination in the field of his major subject.

(d) Is recommended for departmental honors by his major department and by the College Board.

The comprehensive examination requires not less than two nor more than three regular three-hour examination periods or their equivalent. At least three hours of this total is devoted to a written examination. The comprehensive examination, with the possible exception of laboratory tests, is given between the spring vacation and May 15 of the candidate's senior year. An honors candidate who has passed the comprehensive examination may, at the discretion of his major department, be excused from some or all of the final examinations *in the courses in his major subject*.

A student's candidacy for honors and all privileges connected with it may be terminated by the College Board at the end of any semester. In such an event the amount of credit to be allowed for work done by the student outside of regular courses is determined by the College Board in consultation with the department.

SCHOLARSHIP SOCIETY

The Clark Scholarship Society was organized in 1914. Its object is, "to maintain a high and broad conception of scholarship; to encourage devotion to scholarship, so conceived; to promote a close relation for mutual benefit between the undergraduate mem-

bers and the faculty members of the society." Membership in the society is open to members of the faculty. New student members are elected at the end of the junior year from the men of high standing in the junior class. Nominations are made by the College Board and the undergraduate members of the society elect from the men so nominated. Additional nominations are made at the middle and end of the senior year.

ELIGIBILITY FOR EXTRA-CURRICULAR ACTIVITIES

Participation in extra-curricular activities is denied only to those students whose scholarship records indicate that further encroachment upon their time and attention may interfere with the completion of their course of study.

A student is "eligible" for the following half semester if at the end of any half semester he is meeting either of the following conditions:

- (a) "Passed" in all courses and graded above D+ in at least one course.
- (b) "Passed" in all but one course, and graded above D+ in at least two courses.

Students carrying less than a full program of studies are ineligible, except in the case of seniors whose programs are adequate to insure their graduation at the end of the academic year.

Students admitted with advanced standing from another college are "ineligible" for the first half-semester of residence at Clark University.

A special student, not being a member of the college or subject to the jurisdiction of the College Board, does not enjoy the privileges of "eligibility." The board may however, in the case of a special student enrolled for five or more courses, authorize participation in college "activities" subject to the eligibility rules.

ABSENCES*

Regulations applying to absences from scheduled class meetings and laboratory exercises are based upon the conviction that such absences, regardless of their cause, involve a loss to the student

*Beginning February, 1940, all seniors are exempt from regulations providing a penalty for absences from class or laboratory exercises. They are however responsible for all of the regular requirements of any course, including tests and examinations at times set by the instructors in charge.

and a drag upon the class. Students are, accordingly, expected to be consistently regular in attendance. Subject to this general provision, students are given a considerable degree of freedom in the control of their attendance. It is expected that such freedom will not be abused, and that it will contribute to the growth of each student's sense of responsibility.

Detailed regulations in harmony with the foregoing principles are posted on the official bulletin board for the guidance of students. They are also published in the Students' Handbook, issued annually by the Clark Christian Association. Students are expected to familiarize themselves with these regulations.

Sophomores, juniors, and seniors who attain an average of B- or better in any semester are exempt from all regulations relating to attendance at class meetings or laboratory exercises. They are, of course, responsible for all subject matter presented in class and for all laboratory exercises from which they may absent themselves. Such students are *not* exempted from regulations relating to attendance at the weekly assembly or physical training.

STUDENT LIFE

It has always been the policy of the university to give to its students the greatest possible individual liberty of action. It is assumed that each student will conform to the recognized standards of morality, good order, and gentlemanly conduct, that he will not absent himself unnecessarily from university exercises at which he is due, and that he will give his serious and constant attention to his work as a student.

Undergraduate organizations are under such control as will insure proper caution and recognition of responsibility in business dealings.

The general supervision of intercollegiate athletics is committed to the Athletic Board consisting of the director of physical training, the Committee on Athletics of the College Board, two alumni elected by the Alumni Association, and nine student members. The actions of the Athletic Board are subject to review and veto by the Committee on Athletics.

The non-athletic activities are supervised by the Student-Faculty Council.

Opportunity for relaxation and the meeting of students and faculty on a basis of general sociability is provided by the various clubs in which both students and faculty participate.

Student activities include musical organizations which give a series of concerts in Worcester and elsewhere during the winter; a debating society whose members have made an enviable record for the University in intercollegiate debates; the Gryphon, a senior honor society, and other organizations.

The Clark University Players is an active student organization which presents a number of plays each year under the direction of the Department of English.

The Scarlet, a weekly undergraduate publication, and the *Pasticcio*, the college annual, are published by the students.

The Graduate Division

GENERAL INFORMATION

Admission to the graduate division is open to properly qualified persons, both men and women.

Instruction and opportunities for original research leading to the degrees of Master of Arts and Doctor of Philosophy are offered by the following departments:

- Biology
- Chemistry
- Economics and Sociology
- Geography
- History and International Relations
- Physics
- Psychology

The department of education offers the degree of "Master of Arts in Education."

Other departments offer courses of an advanced nature which, with the consent of the Graduate Board, may be included in the programs of graduate students, but are not prepared at present to offer complete programs leading to the higher degrees.

A detailed statement regarding tuition and other fees will be found in the general section of this catalog under the heading THE UNIVERSITY.

LIBRARY FACILITIES

In addition to the library facilities provided by the university students may avail themselves of the privileges of several other excellent libraries in the city. The Worcester Public Library contains some 333,000 volumes and makes accessible to the public about 500 newspapers and magazines. The library of the American Antiquarian Society, housed in the national headquarters of the society in Worcester, contains about 136,000 volumes and some 202,000 pamphlets. The library of the Worcester District Medical Society is also at the disposal of members of the university.

ADMISSION TO THE GRADUATE SCHOOL

Eligibility. Admission is granted only by the Graduate Board on recommendation of a department. A graduate of more than average ability from a college or university which was on the approved list of the Association of American Universities at the time his bachelor's degree was obtained is eligible for admission as a *regular graduate student*. A graduate of superior attainments from a four-year college not on the list, is normally eligible for admission only as a *special graduate student* for a specified period, not exceeding one academic year. A special graduate student may be admitted by the Graduate Board to regular graduate standing after a semester, or its equivalent, of study in residence and upon the recommendation of his major department.

Application. A prospective applicant should communicate with the department in which he expects to do his major work. If he is encouraged to make application by the department, he will receive the application blanks for admission and should submit them to the chairman of the department with an official transcript of undergraduate work, two letters of recommendation from persons in a position to speak frankly of his qualifications, and a recent photograph (passport size preferred). A photograph is not required of those who have had a personal interview with members of the staff. Any other pertinent information, including published or unpublished theses or other writings, may accompany the application. For most favorable consideration, applications for appointments for the succeeding year should be in the hands of the chairmen of the respective departments by March 1st.

Admission. In granting admission, the Graduate Board may, with the advice of the department, prescribe a minimum period of residence never less than one year, and other definite requirements, including courses in particular subjects, as prerequisites for a graduate degree. Admission to the graduate school does not in any way imply admission to candidacy for a degree. Admission to the graduate school is granted for entry only at the specified time, and lapses if the student fails to enter at that time. If, after an applicant has entered as a regular student, his period of graduate study is broken by more than a year, he must make formal application for re-instatement.

Undergraduates and non-graduate special students in graduate courses. Admission of other than regular or special graduate students to a course "Primarily for Graduate Students" may be

authorized by the Secretary of the Graduate Board on formal recommendation in each case by the department in which the course is offered.

SCHOLARSHIPS AND FELLOWSHIPS

The university awards annually a number of scholarships and fellowships.

GENERAL REGULATIONS

1. Scholarships and fellowships (except honorary appointments) are for prospective candidates for the degrees of Master of Arts and Doctor of Philosophy in this university.

2. All applications for fellowships and scholarships shall be presented to the chairman of the Credentials Committee accompanied by an official transcript of record, letters of recommendation, a photograph, and endorsed with the department's recommendation. Applications when complete and properly endorsed will be considered by the Committee on Credentials for recommendation to the Graduate Board. According to an agreement of the Association of American Universities, the elections of fellows and scholars will be communicated on April 1st, but not before, to each member of the Association of American Universities and to each successful candidate.

3. An appointment will become effective when an acceptance in writing is filed with the secretary of the Graduate Board within fifteen days of the date of notification.

4. Scholarships or fellowships are not transferable from one department to another except with the approval of the Graduate Board.

5. A scholar or fellow may not engage during the term of appointment in any occupation that may interfere with his duties as a full-time graduate student unless he obtains permission from the Graduate Board to do so.

SCHOLARSHIPS

Scholarships may be awarded to students of high rank who may be expected to fulfill the requirements for the master's degree in the normal time. These scholarships are valued up to \$400 including tuition.

FELLOWSHIPS

Fellowships valued up to \$400, including tuition, may be awarded to competent, full-time, regular graduate students who have completed an amount of graduate work equivalent to the requirements for the Master of Arts degree. Fellowships valued up to \$500, including tuition, may be awarded to students who give promise of completing their work for the degree of Doctor of Philosophy by the end of the academic year for which the appointments are made.

Some of these fellowships will be designated as *research fellowships or teaching fellowships*, with the consent of the applicant and on the recommendation of the department, in cases where research or teaching assistance in the department is to be a duty of the fellow. Where the research or teaching duties in such fellowship or in an assistantship would prevent a scholar or fellow from carrying a full program of studies during the academic year, he may nevertheless qualify for full-time credit for the year through an adequate summer program of research or reading directed by the major department and approved by the Graduate Board.

HONORARY FELLOWSHIPS

Distinguished visitors may be appointed honorary fellows for specified periods at the discretion of the Graduate Board. Such appointments entitle their holders to all university privileges and carry freedom from tuition charges.

STUDENT AID

Student aid is available from the following funds, with the restrictions noted.

A CITIZEN'S FUND, the income of which is to be used for the aid of "some one or more worthy native born citizens of the City of Worcester who may desire to avail themselves of the advantages of the institution." The benefits of this fund are available to graduate students only.

THE JOHN WHITE FIELD FUND, the income of which is "to provide for the minor needs of a scholar or fellow," has been established by Mrs. Eliza W. Field. The fund amounts to five hundred dollars.

THE ELIZA D. DODGE FUND is a sum of one thousand dollars, the income only of which is to be expended to aid graduate students of limited means engaged in research work.

LOAN FUNDS

THE SARAH M. THURBER FUND. This fund was established by the late Dr. Charles H. Thurber, former President of the Board of Trustees, as a memorial to his mother. The fund is administered by the president of the university. Loans from this fund bear interest at the rate of 6 per cent per annum.

ALUMNI LOAN FUNDS. Loans from these funds are available on suitably endorsed notes. Applications require the approval of the student's major department, the Committee on Credentials of the Graduate Board, and the chairman of the Alumni Loan Fund Committee.

RULES AND REGULATIONS

LANGUAGE REQUIREMENTS

Requirement in English. A student who wishes to become a candidate for a higher degree during his first year of residence may be required to come before the Committee on Language Examinations before admission to candidacy, for a test of the adequacy of his knowledge of English in respect to speaking, reading and writing.

A candidate for a graduate degree after more than one year of graduate study must satisfy his major department in respect to his knowledge of English.

Foreign Languages. A prospective candidate for the degree of Doctor of Philosophy is advised to prepare himself early for the oral examinations in reading modern languages. French and German are required except in cases where the Graduate Board may authorize the substitution of another language for one of these. A student must take these examinations not later than March first of his first year of residence at Clark University beyond the master's degree. When he is ready for either or both he is to notify the recorder, who will arrange for the examination to be held within two weeks if possible. These examinations are conducted by a committee composed of a representative of one of the modern language departments, and a representative of the student's major department. The committee shall report the results of the examination to the recorder. Additional language requirements may be imposed by the student's major department.

RESIDENCE

A regular year of full-time study or its specified equivalent in residence at Clark University is a prerequisite for any degree. Residence work is broadly defined as regular work at Clark University done under the immediate personal supervision of at least one member of the university faculty. A field trip led by a member of the university faculty who is regularly engaged in graduate instruction is considered as providing an opportunity for work in residence to a maximum extent of nine weeks.

Only the following are recognized as equivalents to a regular academic year:

For the degree of Master of Arts, one full semester of the regular academic year and the equivalent of 18 other weeks on a full-time program of graduate work approved by the major departments; or six sessions of the Clark University Summer School. Under certain clearly defined conditions, five sessions of the summer school may be accepted as the equivalent of a regular year of full time study in residence.

For the degree of Doctor of Philosophy, a sufficient number of courses taken during the regular academic year, even if spread over a number of years.

THE DEGREE OF MASTER OF ARTS

Admission to Candidacy. Regular students who have been admitted to the graduate school without condition, or others who have met any special requirements imposed by the Graduate Board, may, when they have demonstrated their ability to do satisfactory work, be accepted by the Graduate Board as candidates for the degree of Master of Arts. An application for admission to candidacy for the master's degree will be considered by the Graduate Board when the student has:

1. Completed one semester of full-time graduate work or its equivalent in residence at this university;
2. Paid the diploma fee (\$10) and publication fee (\$10), and
3. Obtained the written endorsement of his major department.

Applications should be filed with the secretary of the Graduate Board not later than the first week of the last full semester which the student expects to spend in residence as a candidate for the degree. Unless extended by action of the Graduate Board, candi-

dacy for the degree of Master of Arts lapses at the end of three years. When candidacy expires without the degree having been awarded the diploma and publication fees, less any expenses incurred, will be returned.

Course requirements. In order to insure that the student may obtain the necessary training, he must meet a minimum course requirement of 18 semester hours in addition to his research work. The subject-distribution of the courses of each candidate must have the approval of the candidate's major department. A candidate for the master's degree who is definitely preparing to teach in secondary schools, may, with the approval of his major department, elect one or two semester courses in education which will count toward the fulfillment of this course requirement.

Examinations. The candidate must make a satisfactory record in such written examinations as may be required by the major department, and in a final oral examination of approximately one hour's duration by a committee of three or more, two of whom shall be members of the Graduate Board. The major department shall make a written report in duplicate, one copy to be delivered to the university recorder and the other to the secretary of the Graduate Board, not later than 9 a. m. of the Friday preceding commencement, stating the ground on which the candidate is recommended for the degree.

Thesis. The candidate must demonstrate that he has a comprehensive knowledge of his field of study and is capable of carrying on, under direction, a satisfactory investigation in that field. He must submit to his major department, by May 15 of the year in which the degree is to be conferred, a thesis on an approved topic and an abstract thereof. The thesis shall be in a prescribed form on prescribed thesis paper (to be obtained from the bursar) and shall have a printed title page (to be obtained from the recorder) that bears the following statement:

"A thesis submitted to the Faculty of Clark University, Worcester, Massachusetts, in partial fulfillment of the requirements for the degree of Master of Arts in the Department of——— and accepted on the recommendation of
(Name of Chief Instructor)."

The title page shall be followed by a page (to be obtained from the recorder) giving the academic history of the candidate.

The abstract should not exceed 600 words in length and should bear the written statement,

"Abstract approved for publication

(Name of Chief Instructor)."

The thesis and two copies of the abstract, bearing the signature of the chief instructor, shall be delivered to the university recorder not later than 9 a. m. of the Friday preceding commencement.

Additional copies of the thesis or abstract may be required by the major department.

THE DEGREE OF DOCTOR OF PHILOSOPHY

Course of Study. Only such candidates as give evidence of general proficiency, power of investigation and high attainments in the special field in which their major subjects lie will be encouraged to proceed to the degree of Doctor of Philosophy.

A graduate student who expects to proceed to the doctor's degree shall select a major subject of study, and at least one minor subject with the approval of the department in which the major subject lies.

Admission to Candidacy. Applications for admission to candidacy must be filed not later than November first, in any academic year, by students who hope to receive the degree at the end of that academic year.

An application for admission to candidacy for the degree of Doctor of Philosophy will be considered by the Graduate Board when the applicant has:

1. Completed two full academic years of graduate work or its equivalent;
2. Passed examinations in at least two foreign languages. French and German are required except in cases where the Graduate Board may authorize the substitution of another language for one of these;
3. Passed a preliminary examination in his major and minor fields of study;
4. Paid the diploma and publication fees (\$25 and \$15);
5. Filed with his major department an application for admission to candidacy, stating the subject of his dissertation, and
6. Obtained the endorsement of the application from his major department.

Admission to candidacy for the degree of Doctor of Philosophy shall hold good only for three years from the date of the vote granting admission to candidacy. When candidacy expires without the degree having been awarded, the diploma and publication fees, less any expenses incurred, will be returned.

Dissertation. For the degree of Doctor of Philosophy an indispensable requirement is a dissertation upon an approved subject, to which it must be an original contribution of value.

Not later than May 1, the dissertation, with an abstract not exceeding 1,200 words in length, must be presented to the instructor under whose direction it is written. The dissertation shall be in a prescribed form on prescribed thesis paper (to be obtained from the bursar) and shall have a printed title page (to be obtained from the recorder) that bears the following statement:

"A dissertation submitted to the Faculty of Clark University, Worcester, Massachusetts, in partial fulfillment of the requirements for the degree of Doctor of Philosophy in the Department of——and accepted on the recommendation of
(Name of Chief Instructor)."

The title page shall be followed by a page (to be obtained from the recorder) giving the academic history of the candidate.

The abstract should bear the written statement:

"Abstract approved for publication

(Name of Chief Instructor)."

The dissertation and abstract must be accepted by the chief instructor before the final examination may be held. In every case the dissertation shall be laid before the examining committee at the time of examination, with the comments of the chief instructor and other readers.

The complete copy and two copies of the abstract of the dissertation, bearing the signature of the chief instructor, shall be delivered by the department to the university recorder not later than 9 a. m. of the Friday preceding commencement. The dissertation and one copy of the abstract will be deposited by the recorder in the library, where they shall remain permanently, not subject to withdrawal.

A second copy of the dissertation, accompanied by a copy of the abstract shall be delivered to the department or the library for loan purposes.

If and when a dissertation is published, five of the printed copies should be presented to the Clark University Library; four copies to be retained by the library and the other to be presented to the Library of Congress for its annual list of American doctoral dissertations printed.

At the final examination the student will be expected to defend his dissertation and, at the discretion of the examining committee, he may be questioned over the entire field of his study. The final examination will be at least a two-hour oral examination. Addi-

tional written examinations may be given at the discretion of the department concerned. The oral examination will be held by a committee of at least four members, including the chairman or his duly appointed representative and one other representative of the department in which the candidate has done his major work, one or more representatives of the department or departments in which the candidate has elected his minor subjects, a member of the Graduate Board under whom the candidate has done no work, and such other members of the Graduate Board as care to attend.

The president of the university is authorized to invite any person from within or without the university to be present and to assist in the examination. The committee shall in each case appoint a clerk who shall report the results of the examination to the university recorder.

Each department shall render to the university recorder and to the secretary of the Graduate Board final reports in writing on all candidates for the degree of Doctor of Philosophy not later than 9 a. m. of the Friday preceding commencement.

The Graduate School of Geography

STAFF

WALLACE W. ATWOOD, PH.D., Professor of Physical and Regional Geography and Director of the Graduate School of Geography.

CLARENCE F. JONES, PH.D., Professor of Economic Geography.

W. ELMER EKBLAW, PH.D., Professor of Geography, Assistant Editor, *Economic Geography*.

SAMUEL VAN VALKENBURG, PH.D., Professor of Climatology and Regional Geography.

WALLACE W. ATWOOD, JR., PH.D., Associate Professor of Physiography and Regional Geography.

GUY H. BURNHAM, A.M., Cartographer.

GENERAL STATEMENT

The Graduate School of Geography gives opportunity to properly qualified students to secure advanced training in geography. The staff is composed of specialists in the various fields of geography. They must of necessity spend a portion of their time in travel and in field studies, but while in residence, they offer regular courses of instruction and direct advanced students in research work. It is not the intention to offer all courses of instruction each year; many of them are given once in two years. Abundant opportunities for instruction are provided, but graduate students are advised not to burden themselves by attending too many lecture courses. They must depend very largely for their growth upon their individual efforts in research, under the direction of members of the staff. The map collection and the libraries offer them unusual facilities for research work in residence, but it is hoped that all graduate students, before completing their university work, may undertake field studies.

The publication of *Economic Geography*, issued quarterly, was begun in 1925.

In the Summer School each year many members of the geography staff offer both elementary and advanced courses. These are acceptable for preparation for graduate work and for meeting the requirements for the degree of Master of Arts.

GEOGRAPHY COURSES FOR COLLEGE STUDENTS

Undergraduates planning to major in geography or to go on into graduate work in geography are urged to consult the geography staff early in their undergraduate course, so that suitable programs may be mapped out including essential courses in related fields.

Students majoring in geography are required to take seven year courses, or the equivalent in year courses and semester courses, in geography and related fields. At least four and not more than five of these courses must be in geography. Required courses in geography are as follows: 10a, 10b—usually taken in the freshman year; 15b, 16a, 181b, 185a—usually taken in the sophomore or junior year.

Additional courses which may be taken to fulfill the requirement in geography are: 26, 12a, 17a, 17b, 18b, and 19b.

Courses in related fields, offered towards a major in geography must include Geology 12 and one or more additional courses selected from the following list: Biology 11, 14, Physics 11, Economics 11, History 18.

Students majoring in geography, may by special permission, elect in their third and fourth years advanced courses offered in the Graduate School of Geography.

GRADUATE WORK IN THE SCHOOL OF GEOGRAPHY

The Graduate School of Geography is open to any who wish to receive professional training in geography, and who are qualified to enter the graduate division of the university and take advanced work in geography. The undergraduate preparation for advanced work is indicated by the above college program.

The degrees of Master of Arts and Doctor of Philosophy are conferred. For the master's degree two years may be required for those whose preparation is considered to be insufficient to permit them to qualify in the minimum time.

The following courses in other departments should be of interest to students in geography: botany (Biol. 14); economic history (Ec. 14); economic statistics (Ec. 16); international trade and international finance (Ec. 27a); international economic policies (Ec. 31); The Pacific and the Far East (Hist. 22); Latin America (Hist. 27).

All prospective candidates for graduate degrees in geography who are in residence will be expected to attend the field camp for three weeks each autumn, and during the year to take part in the seminar.

Formal course work in geography ends in midwinter on January

15, and in spring on May 1, leaving students free to read and to coördinate their work prior to the examination periods.

Candidates for the master's degree in geography may be expected to pass written examinations and a general oral examination in the following fields: physiography, climatology, soils and land utilization, plant geography, economic geography, human geography and anthropogeography, regional geography, and political geography.

Candidates for the doctor's degree in geography will be expected to pass more advanced written examinations, and a general oral examination including the broad foundation required for the master's degree and such more advanced studies as the candidate may have pursued in the fields of his particular interests. In general, a year of work beyond the master's degree should prepare a candidate for his general examination which is preliminary to his being accepted as a candidate for the Ph.D. degree and to his entering on concentrated work for his Ph.D. dissertation. This year of course work may well include, besides certain advanced courses in geography, related advanced studies in history and international relations, economics, or biology. The student is given much freedom of choice. By March 1 of the year prior to the final one for the doctorate a prospective candidate for the doctorate will be expected to show a reading knowledge of German and French.* These two foreign languages are the most important for American geographers.

STUDENTS' FEES

All geography students in residence must meet the camp fee, the workroom fee, and a classroom materials fee.

The camp fee covers board and lodging, transportation, maps, drafting supplies, and meteorological instruments from the time the party leaves Worcester to go to camp till it returns at the end of the three weeks' period. The fee is \$75, payable October 1 to the camp treasurer. The tuition fee for students participating in the field course only is \$25.

The workroom fee is assessed to help maintain the geography workroom and equipment used by graduate students. It applies to the alcove desk, files of maps, the card catalog, drafting tables and instruments. There are also adding and computing machines. The workroom fee is \$5 a semester, payable November 1 and March 1, to the departmental stenographer.

*While German and French will normally be the two languages required, an exception might be made in a case where the dissertation for the doctorate demands a comprehensive knowledge of Spanish.

The classroom materials fee is for mimeographed outlines, abstracts, summaries, chapters of theses in the various courses and in the seminar and for the maintenance in part of the classroom wall-maps and other equipment, and for the small expense of balloons and hydrogen and of some meteorological instruments. The classroom materials fee is \$5 each semester, payable November 1 and March 1, to the departmental stenographer.

COURSES IN GEOGRAPHY

(AND IN RELATED SUBJECTS)

1. PRIMARILY FOR UNDERGRADUATES

10a. The Principles of Geography. An introduction to the principles of geography.

Half course, first semester. M. W. F., 10. MR. ATWOOD, JR.

10b. Introduction to Regional Geography.

Open to freshmen.

Half course, second semester. M. W. F., 10.

MR. VAN VALKENBURG

15b. Conservation of Natural Resources.

Half course, second semester. M. W. F., 11. MR. ATWOOD, JR.
Omitted, 1939-40.

181b. Geography of North America.

Open to freshmen.

Half course, second semester. M. W. F., 11. MR. ATWOOD, JR.

185a. Geography of Europe.

Half course, first semester. M. W. F., 11.

MR. VAN VALKENBURG

Geology 12. General Geology.

MR. LITTLE

12b. Weather and Climate.

Half course, second semester. T. Th. S., 8.

Omitted, 1939-40.

14. Physiographic Regions of the World.

Three hours weekly, through the year.

MR. ATWOOD, JR.

Omitted, 1939-40.

Biology 14. General Botany.

MR. POTTER

16a. Political Geography.

Half course, first semester. M. W. F., 11.

Omitted, 1939-40.

MR. VAN VALKENBURG

17a. Geography of Worcester and Vicinity. A field and laboratory course. Prerequisites, Geography 10a and 10b and Geology 12, or equivalent.

Half course, first semester.

MR. ATWOOD, JR.

Omitted, 1939-40.

17b. Geography of New England. Prerequisites, Geography 10a and Geology 12.

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1939-40.

18b. Regional Physiography of North America. Prerequisite, Geology 12, or 9 hours of geography.

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1939-40.

19b. Studies in Regional Physiography. Prerequisite, Geology 12, or Geography 10 (a and b).

Half course, second semester.

MR. ATWOOD, JR.

Omitted, 1939-40.

Geology 121a. Mineralogy.

MR. LITTLE

Geology 122b. Economic Geology.

MR. LITTLE

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

26. Economic Geography. Prerequisites, Geography 10a, 10b, 12b, and Geology 12.

Three hours weekly, through the year. Tu. Th. S., 9. MR. JONES

201a. Geography of Asia.

Two hours weekly, first semester. M. W., 9.

Omitted, 1939-40.

MR. VAN VALKENBURG

202b. Political Geography.

Two hours, second semester. T. Th., 10. MR. VAN VALKENBURG

290a. Cartography and Graphics.

One hour weekly, first semester.

Omitted, 1939-40.

PRESIDENT ATWOOD AND MR. BURNHAM

3. EXCLUSIVELY FOR GRADUATE STUDENTS

30. Seminar.

Hours to be arranged.

STAFF

31. Regional Physiography. Prerequisite, Geology 12, or equivalent in physiography.

Two hours of lectures and two hours of laboratory weekly.

M. W., 9.

MR. ATWOOD, JR.

32. Regional Climatology. Prerequisite, Geography 12b or equivalent.

Two hours, through the year. M. W., 11.

MR. VAN VALKENBURG

33a. Soil Geography.

Two hours, first semester. M. W., 10.

MR. EKBLAW

Omitted, 1939-40.

33b. Land Utilization and Planning.

Two hours, second semester. M. W., 10.

MR. EKBLAW

Omitted, 1939-40.

34a. Plant Geography.

Two hours, first semester. M. W., 10.

MR. EKBLAW

34b. Plant Regions. Prerequisite, Geography 34a.

Two hours, second semester. M. W., 10.

MR. EKBLAW

300. Problems in Geography.

Tuesdays at 3:30

PRESIDENT ATWOOD

310. Research in Regional Physiography.

PRESIDENT ATWOOD

320. Research in Climatology.

MR. VAN VALKENBURG

330. Research in Soils.

MR. EKBLAW

340. Research in Plant Geography.

MR. EKBLAW

350. Research in Agricultural Geography or Land Utilization.

MR. EKBLAW

360. Research in Industrial or Commercial Geography.

MR. JONES

370. Research in Human Geography.

MR. EKBLAW

380. Research in Regional Geography.

One or more members of the Staff

36b. Industrial Geography. Prerequisite, Geography 26.

Two hours, second semester. M. W., 2.

MR. JONES

Omitted, 1939-40.

362a. Geographic Aspects of United States Foreign Trade.*Two hours*, first semester. M. W., 9.

MR. JONES

Omitted, 1939-40.

37. Human Geography. Prerequisites, 9 hours of geography or history and permission of the instructor.*Two hours*, through the year. M. W., 2.

MR. EKBLAW

375a. Geography of Europe.*Two hours*, first semester. T. Th., 10. MR. VAN VALKENBURG**383b. Caribbean America.***Two hours*, second semester. T. Th. F., 11.

MR. JONES

384a. South America.*Three hours*, first semester. T. Th. F., 11.

MR. JONES

History 22. The Pacific and the Far East.**394a. Field Methods and Studies.** Three weeks at the opening of the school year. Connecticut Valley, 1925 to 1930 inclusive; Cape Cod, 1931; Connecticut Valley, 1932 and 1933; Blackstone Valley, 1935; upper Housatonic Valley, 1936; Central Highlands of Massachusetts, 1937; omitted in 1938 because of hurricane; lower Merrimac Valley, 1939.

Required each year of all candidates for graduate degrees in geography.

The Summer School

OFFICERS OF INSTRUCTION AND ADMINISTRATION

WALLACE WALTER ATWOOD, PH.D.

President of Clark University and Director of the Graduate School of Geography, Clark University.

ROBERT S. ILLINGWORTH, A.M., ED.M. English and Dramatics

Director of the Summer School, Professor of Dramatic Art, and Alumni Secretary, Clark University.

CLARENCE F. JONES, PH.D.

Geography

Professor of Economic Geography, Clark University.

WALTER ELMER EKBLAW, PH.D.

Geography

Professor of Geography, Clark University.

SAMUEL VAN VALKENBURG, PH.D.

Geography

Professor of Geography, Clark University.

GUY H. BURNHAM, A.M.

Cartography

Cartographer, Clark University.

HOMER PAYSON LITTLE, PH.D.

Geology

Dean of the College and Professor of Geology, Clark University.

GUY A. LEE, PH.D.

History

Assistant Professor of History, Clark University.

F. EUGENE MELDER, PH.D.

Economics and Sociology

Assistant Professor of Economics, Clark University.

ELMER H. GARINGER, PH.D.

Education

Principal of Central High School, Charlotte, N. C.

LLOYD A. GARRISON, A.M.

Education

Educational Supervisor and Field Representative for the Connecticut State Department of Education.

DAVID POTTER, PH.D.

Biology and Botany

Professor of Biology, Clark University.

LYDIA P. COLBY

Recorder

FLORENCE CHANDLER

Bursar

The session of 1940 will begin July 1 and end August 9.

Instruction will be offered in geography, history, education, economics and sociology, English, and biology.

Qualified students are admitted upon presentation of proper credentials. Both undergraduate and graduate work is offered.

Work done in the summer school may be counted, subject to the regulations of the college and the graduate school and of the faculty of the university, toward fulfillment of the requirements for the degrees of Bachelor of Arts, Bachelor of Education, and Master of Arts. Unless otherwise announced, each course is intended to be the equivalent of a course meeting two hours per week throughout a semester and is credited, when accepted toward the fulfillment of the requirements for a bachelor's degree in this university, for two semester hours.

The tuition charges are twenty dollars for a single course meeting five times a week, thirty-five dollars for two or three courses, and forty-five dollars for four courses. Rooms in the vicinity of the university cost from three dollars a week up, and board may be obtained at a reasonable rate.

The Summer School Bulletin, published about February 1, contains detailed information about the coming session with descriptions of the various courses, and may be had upon application to the Director of the Summer School, Clark University, Worcester, Mass.

The names of the students who attended the Summer School in 1939 will be found in the register at the end of this catalogue.

LIST OF COURSES

The starred courses (*) are those definitely intended, by the instructor concerned, for students who are candidates for the degree of Master of Arts or of Master of Arts in Education in Clark University. These courses are not restricted to such students, and their acceptance as part of a program leading to the master's degree is subject to the approval of the student's major department and of the Graduate Board.

GEOGRAPHY

SS12. Weather.	DR. VAN VALKENBURG
SS14. I Economic Geography.	DR. CLARENCE F. JONES
SS190. The Earth as a Planet.	MR. G. H. BURNHAM

SS191. Maps, Charts and Graphs: Their Construction and Interpretation.

MR. G. H. BURNHAM

*SS24. South America. DR. CLARENCE F. JONES

*SS25. Land Utilization and Planning.
DR. W. ELMER EKBLAW

*SS27b. Cultural Geography. DR. W. ELMER EKBLAW

*SS275. Geographic Aspects of the War.
DR. VAN VALKENBURG

*SS30. Seminar in Geography.
DRS. JONES, EKBLAW AND VAN VALKENBURG

*SS34. Research in Geography.
DRS. JONES, EKBLAW AND VAN VALKENBURG

GEOLOGY

SS1. Physiography. DR. LITTLE

HISTORY

*SS242. United States in the Twentieth Century.
DR. GUY A. LEE

*SS20. American Traditions. DR. GUY A. LEE

*SS356. Research in History. DR. GUY A. LEE

ECONOMICS AND SOCIOLOGY

*SS240. Consumer Economics. DR. MELDER

*SS19. Educational Sociology. DR. MELDER

*SS32. Research in Selected Social and Economic Problems.
DR. MELDER

ENGLISH AND DRAMATICS

SS6. American Poetry. PROF. ILLINGWORTH

SS4. American Drama. PROF. ILLINGWORTH

SS5. Stagecraft. PROF. ILLINGWORTH

SS2. Public Speaking. PROF. ILLINGWORTH

EDUCATION

***SS22. Secondary School Teaching and Supervision.**

DR. GARINGER

SS12. Elementary Education, Aims and Methods.

DR. GARINGER

***SS209. Historical Development of Modern Education.**

MR. GARRISON

***SS23. Philosophy of Education and Progressive Education.**

MR. GARRISON

BIOLOGY AND BOTANY

SS14. The Identification of the Flowering Plants.

DR. POTTER

The Degree of Bachelor of Education

The degree of Bachelor of Education is offered to teachers, both men and women, who have completed a two-year normal school course, or its equivalent, and who have had at least one year of experience in teaching. Candidates for this degree are under the direction of the Committee on Extension Courses and Special Students.

The degree is awarded on the satisfactory completion of a program of studies aggregating slightly more than the equivalent of two years of regular college work, in addition to the normal school course. Candidates for the degree may earn the necessary credit in summer school, in extension courses ("Courses of College Grade for Adults"), and in regular college courses. A minimum of thirty (30) semester hours must be earned in residence at Clark University. All or part of the balance may be earned elsewhere, *subject to approval in advance by the Committee on Extension Courses and Special Students or its authorized representative*. A series of courses designated as "COURSES OF COLLEGE GRADE FOR ADULTS" is offered each semester at the university to meet the needs of candidates for the degree of Bachelor of Education. Study outside of regular classes conducted under the auspices of a recognized institution of college grade cannot be accepted for "credit," though such study may be the basis of relief from requirements in particular subjects.

A teacher in active service may normally earn a maximum of four semester hours of credit in each semester of the academic year and six* hours in a six-week summer school. At this rate, the degree can be secured in five calendar years after the completion of the normal school course. Men who are candidates for the degree and who can devote themselves to full-time study will usually find it possible to enroll in regular college classes for a program yielding fifteen semester hours of credit each semester. *Women are not admitted to college classes at Clark University.*

The program leading to the degree includes requirements in English, foreign language, laboratory science, social science and education.

*Full credit will not be given when a student enters a summer school after the first week of the session nor when changes of program are made after the first week of the session.

RULES AND REGULATIONS

The more important rules affecting candidates for the degree of Bachelor of Education are stated below.

It is impossible to cover explicitly, by rule, all situations which may arise in the absence of a fixed curriculum and with the possibility that credit toward the degree may be obtained from a variety of sources. The committee is guided by the general purpose to maintain a reasonable standard, involving suitable choice of courses and satisfactory performance in them.

1. **ADMISSION.** Only those who have completed a two-year normal school course or the equivalent may be admitted to candidacy for the degree of Bachelor of Education.

An application for admission to candidacy must be made in writing on a form which may be obtained from the university recorder. An application should be accompanied by evidence of graduation from a standard high school and an *official* record of all study by the applicant in normal school and college.

Applicants are notified in writing of action on their applications. Such notice in the case of those accepted includes a statement of "credit" allowed on records submitted, and of any special requirements.

2. A **MATRICULATION FEE** of \$5 must be paid for the purpose of opening an official record of credit in the office of the university recorder.

3. "**CREDIT**" FROM OTHER INSTITUTIONS.

- a. Credit of 54 semester hours will normally be given for the completion of a standard two-year course in a normal school or teachers college. Less than this may be granted at the discretion of the committee in charge of this work. Additional credit may be allowed for more than two years' work at a normal school or college, and for suitable work in extension courses or in summer schools. The total credit from other institutions cannot exceed 90 semester hours.
- b. After admission to candidacy credit may be allowed for courses taken at approved universities, colleges, or normal schools, provided such courses are authorized in advance. In exceptional cases the committee may authorize credit for such courses taken without previous approval, but under no circumstances in excess of 75% of the face value of such courses.

- c. Not more than thirty hours of credit may be allowed for home study courses and extension courses taken with outside institutions. Such work is accepted from only a limited number of sources. This thirty-hour limit applies to the combined total of home study and "extension" courses.

4. REQUIREMENTS FOR THE DEGREE.

- a. 120 semester hours of college credit, including advanced standing granted at the time of admission to candidacy.
- b. At least 30 semester hours of credit earned *in residence* at Clark University. (Included in the total of 120 semester hours.)
- c. At least one year's teaching experience.
- d. Requirements in particular subjects:
 - (i) Six semester hours in psychology or education, taken after the completion of the two-year normal school course or its equivalent.
 - (ii) Six semester hours of laboratory science, taken after the completion of the two-year normal school course or its equivalent.
 - (iii) Ten semester hours of English, which may be taken in whole or in part in the normal school course.
 - (iv) Twelve semester hours in any *one* foreign language, which may be completed in whole or in part elsewhere than at Clark University. Evidence of the completion of this requirement may be supplied in the following ways: 1. by securing credit in course toward the degree for the twelve semester hours required; 2. by securing credit in course toward the degree for at least the last four semester hours normally required to complete the twelve hour requirement; 3. by passing satisfactorily an examination set by Clark University.
 - (v) Twelve semester hours of economics, geography, government, history, or sociology, at least six of which must be taken after the completion of the two-year normal school course or its equivalent.

NOTE:—Prospective candidates are urged to complete formal enrollment in time to complete at least 30 semester hours of credit toward the degree after admission to candidacy, in order that they may benefit by advice as to requirements and wise selection of courses.

5. **STANDARD OF SCHOLARSHIP.** A grade better than D+ is required in three-fourths of all credit accepted toward the completion of the requirements for the degree.

6. **LAPSE OF CANDIDACY.** Candidacy for the degree terminates automatically whenever for a period of two years or more a candidate has failed to complete any courses in Clark University yielding credit toward the degree. A candidacy terminated under this rule may be renewed by action of the committee. Such renewal may involve a revision of allowances previously made both in respect to total credit and requirements in particular subjects.

7. **DIPLOMA FEE.** The diploma fee (five dollars) should be paid to the Bursar not later than the beginning of the semester or summer session in which the requirements for the degree will be completed.

SPECIAL COURSES FOR TEACHERS

With the needs of candidates for the degree of Bachelor of Education in mind, the university offers a series of college courses for adults designed both in respect to content and time of meeting for teachers in the public schools of Worcester and the surrounding region. These courses are also open to the general public. When occasion arises the subject of aims and methods of teaching is treated in some of these courses.

During the academic year 1939-40, the following courses have been offered:

BIOLOGY

1. **General Biology.** Mr. POTTER
2. **Birds and Their Relationship to Man.** Mr. NUNNEMACHER

ENGLISH

1. **Survey of English Literature.** Mr. HOOVER
2. **Contemporary Literature.** Mr. ILLINGWORTH

FRENCH

1. **Foundations of Oral and Written French.** Mr. LELAND ATWOOD
2. **The Mastery of French Reading.** Mr. CHURCHMAN

Announcement of Late Afternoon and Evening Courses of College Grade

FIRST SEMESTER 1939-1940

DOES your leisure time pay reasonable dividends? Or are your efforts at self-improvement characterized by aimlessness and mere good intentions? Whatever your business or profession, Clark University offers courses of college grade by which you may substantially increase your effectiveness in business or social life, or develop satisfying new intellectual interests. They may be taken as a serious program of systematic study or merely attended as lectures requiring no outside work.

THE efficiency of a present-day world demands sensible utilization of every possible means to further rapid growth, and Clark University makes these means available to all who wish to profit by them. An able faculty is at your service, and a well-endowed library offers full privileges to all students. Academic credit may be secured under certain conditions. Sixteen meetings comprise each semester. The courses are gauged at the college level. The comprehensive list of subjects is selected with the object of meeting requests made by students and friends. Tuition charges are moderate.

CLARK UNIVERSITY stands ready to serve the community by offering the subjects you need, at the time you can attend.



Photo. by Homer P. Little

CALENDAR

Late Afternoon Courses
(4:20 - 6:00)

MONDAY

Educational Sociology
Principles of Heredity
Mastery of French Reading

TUESDAY

Oral and Written French
Aptitude and Achievement
Tests

Contemporary Literature

WEDNESDAY

Lands and Peoples
German Culture

THURSDAY

Geography of World Current Events
Vocational and Educational Guidance



Evening Courses
(7:00 - 8:40)

TUESDAY

Survey of English Literature

WEDNESDAY

Social and Intellectual History of the U. S.

THURSDAY

General Biology
Intermediate German
Introduction to Music

FRIDAY

The Art of My Country
Europe Since 1815

COURSES BEGIN OCTOBER 2nd
LAST DAY OF ENROLMENT OCTOBER 14th



THE ART OF MY COUNTRY

American accomplishment in painting, sculpture, and architecture. The course is given by means of illustrated lectures. Readings are recommended and, for those taking the course for credit, assigned readings and trips to several museums are required.

Friday, 7:00-8:40

MR. DODD



INTRODUCTION TO THE PRINCIPLES OF HEREDITY

A study of the similarities and differences between parents and their offspring. If a majority of registrants so prefer, a course on insects, with special emphasis upon those forms which have economic importance, may be substituted. Laboratory fee \$1.00.

Monday, 4:20-6:00

MR. POTTER



VOCATIONAL AND EDUCATIONAL GUIDANCE

Principles and practice in junior and senior high schools. The need for guidance; the investigation of educational and vocational opportunities; the presentation of vocational and educational information; the study of individuals by means of records, tests, and interviews; methods of counseling; types of problems and their solution; the organization of the school staff for guidance purposes.

Thursday, 4:20-6:00

MR. SUPER



INTRODUCTION TO GERMAN CULTURE

An illustrated lecture course on the cultural development of the German speaking peoples: their history, folk-lore, art, music, and literature. The lectures will be given at the Worcester Art Museum and will be supplemented by illustrative material such as color prints, slides, musical recordings, silent and sound films. Visiting lecturers are invited from time to time. The reference reading will be in English; a knowledge of German is not required.

Wednesdays, 4:15-5:55

MR. JANTZ

Worcester Art Museum



GEOGRAPHIC ANALYSIS OF CURRENT EVENTS

A geographical analysis of significant current events of the world, especially from an economic and political point of view. The geographical background will be given as a basis for analysis of each problem. The course should be of direct use in teaching because of the influence these problems have on the present economic and political conditions of the world.

Thursday, 4:20-6:00

MESSRS. JONES AND VAN VALKENBURG

THE MASTERY OF FRENCH READING

Rapid silent reading of short stories, plays and cultural material. A small amount of careful translation. Review of the elements of pronunciation. Practice in understanding the spoken language. Upon the completion of this course students should be able to read French of moderate difficulty. This course is on the intermediate level, and is therefore open to those who have passed the elementary course, and to new registrants who have had two years of high school French.

Monday, 4:20-6:00

MR. CHURCHMAN

FOUNDATIONS OF ORAL AND WRITTEN FRENCH

Rapid survey of the elements of grammar, applied functionally to exercises in speaking and writing; thorough study of the more difficult phases of idiom and syntax; careful work in pronunciation upon a phonetic basis. A course on the third-year level; it is assumed that those who enter have a good reading knowledge, but active grammar is not presupposed. The ordinary prerequisite is three years of high school French, or two at the college level.

Tuesday, 4:20-6:00

MR. L. L. ATWOOD

APTITUDE AND SPECIAL ACHIEVEMENT TESTS

The application of certain aptitude and achievement tests to the diagnosis of strengths and weaknesses of students, and the use of such results in the improvement of teaching and learning. Some attention is given also to teachers' informal tests. Practical problems advanced by members of the class are given especial attention.

Tuesday, 4:20-6:00

MR. VERNON JONES

MUSIC

Intelligent listening to music brings increased pleasure. The object of this introductory course is to establish certain fundamental principles which should be observed if the greatest enjoyment is to be derived from the forms of symphony, overture, song, opera, tone-poem, or chamber ensemble. The scope of survey extends from Carl Philipp Emanuel Bach to Igor Stravinsky, and includes Haydn, Mozart, Beethoven, Weber, Schubert, Schumann, Chopin, Liszt, Berlioz, Wagner, Brahms, Debussy, and Ravel; the first semester extends mid-way through the study of Schubert. Lectures, assigned readings, demonstrations in the classroom, and phonograph recordings are the means of study.

A supplementary leaflet enumerating the works and forms to be studied is available on request.

Thursday, 7:00-8:40

MR. JOHNSON

(Beginning Oct. 12)

CONTEMPORARY LITERATURE

An evaluation of the most outstanding books of the current season in the novel, poetry, drama, essay, and biography. Literary criticism will be considered with each type of literature read. Lectures, prescribed and collateral readings.

While this course is similar in method to those given previously under the same title, the material is new each semester, and there will be no duplication of content. A supplementary leaflet is available on request.

Tuesday, 4:20-6:00

MR. ILLINGWORTH

GENERAL BIOLOGY

An introduction to the study of the living world with special emphasis on the structure and activities of man in relation to plants and animals. This course will deal with topics such as: the interdependence of living things, the great groups of plants and animals, sources of energy for life, embryology or how we come by our bodies and man's conquest of nature.

Thursday, 7:00-9:00

MR. POMERAT

Worcester Junior College

LANDS AND PEOPLES

A study of man's adjustments—economic, social, and political—to the seas and to the several types of landscapes which he occupies, and of the part that the lands have played in the course of history and the progress of peoples. The course surveys, both in reconnaissance and in detail, the factors which have shaped the policies of the nations, and moulded the character of their culture. The salient relationships between man and his environment are interpreted by text and by lecture.

Wednesday, 4:20-6:00

MR. EKBLAW

SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES TO 1825

A study of the transit of civilization from the old world to the new, the adaptations made here, and the development of distinct American ideas and customs. Special consideration will be given to such institutions as school, church, and press. The social impact of large movements as the Great Awakening, the French Revolution, and the Westward Movement, will be examined.

Wednesday, 7:00-8:40

MR. G. A. LEE



EDUCATIONAL SOCIOLOGY

A sociological approach to educational problems. A study of the relationships of education and intellectual leadership in politics, government, patriotism, and such socio-economic phenomena as poverty, crime, and pressure groups. No previous study of sociology is required.

Monday, 4:20-6:00

MR. MELDER

SURVEY OF ENGLISH LITERATURE

The twofold purpose of this course is to analyze English literature in terms of the age that produced it and to present examples of writing that affords good reading in terms of the present-day "common reader."

The first semester deals with the period 1400-1700; the authors include Chaucer, Malory, Spenser, Shakespeare, Milton, Cavalier Poets, Restoration Poets, Bunyan, Dryden, and Defoe. A recent anthology, *The Literature of England*, edited by Wood, Watt, and Anderson, will be used through the year as text.

Tuesday, 7:00-8:40

MR. HOOVER



HISTORY OF EUROPE SINCE 1815

A survey course with some attention to economic, social, and intellectual developments and to political and international relations. Special attention will be paid to those factors which help to explain the present-day European crises.

Friday, 7:00-9:00

MR. DWIGHT E. LEE

Worcester Junior College



INTERMEDIATE GERMAN

Reading of modern prose, study of poems and songs. Some of the poems and songs will be interpreted with the aid of records of prominent actors and singers.

Thursday, 7:00-9:00

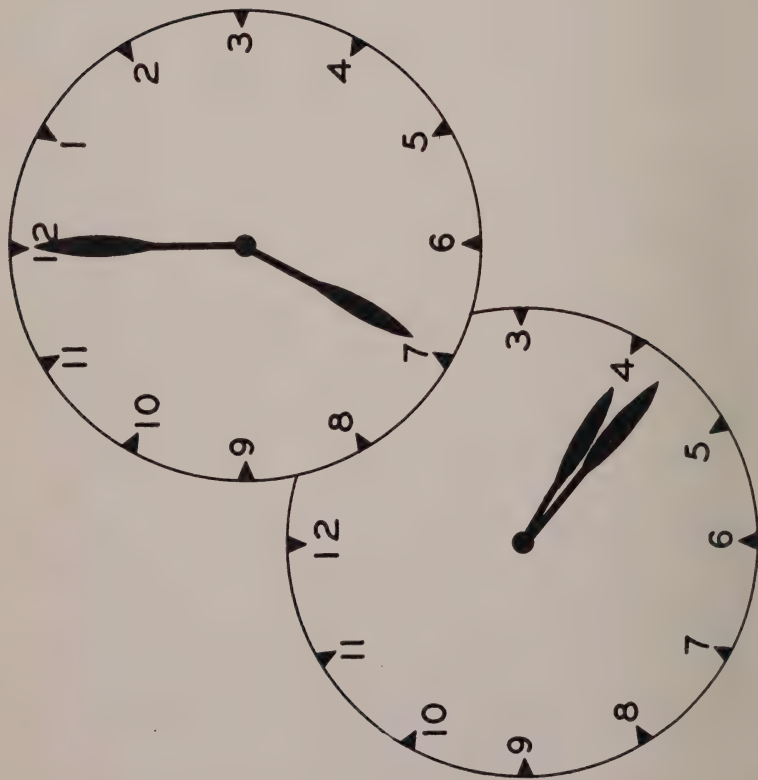
MR. BOSSHARD

Worcester Junior College



CLARK UNIVERSITY BULLETIN

Entered as Second Class Matter at
the Post Office at Worcester, Mass.



Announcement of Late Afternoon and Evening Courses of College Grade

SECOND SEMESTER 1939-1940

IN TODAY'S world the alert mind may embrace many excellent opportunities for self-improvement. Among the most profitable are those offered through systematic study under established auspices. The 13 courses announced in this bulletin are of college grade selected with this idea in view. Some may prefer to attend these courses as auditors while others may wish to make full use of the University Library and fulfill the weekly assignments.

Clark University, with a world-wide influence in several fields of knowledge, thus makes its services available to its own immediate community. These late-afternoon and evening courses are developed entirely for men and women of Worcester County. Within two years the enrollment has doubled and now includes business people, teachers, nurses, students, lawyers, and housewives, who find time each week to attend one or more classes. Tuition charges are moderate. Academic credit may be obtained under certain conditions. Sixteen meetings comprise the semester.

While certain of these courses continue work begun in the first semester, all are open to new registrants. Other courses are given for the first time.



CALENDAR

Late Afternoon Courses
(4:20 - 6:00)

MONDAY
Mental Hygiene

TUESDAY
Oral and Written French
Contemporary Literature

WEDNESDAY
The Teaching of Mathematics
Human Geography
German Culture

THURSDAY
Birds and Man
Geography of World
Current Events
Mastery of French Reading



Evening Courses
(7:00 - 8:40)

TUESDAY
Survey of English Literature

WEDNESDAY
American Traditions

THURSDAY
General Biology
Introduction to Music

COURSES BEGIN FEBRUARY 5

LAST DAY OF ENROLMENT FEBRUARY 17



MENTAL HYGIENE

A study of the individual as an organism whose behavior in particular situations is motivated by his biological past, and the springs of whose conduct lie deep in the region of the unconscious mind made up of the past experience of the race and the individual. Mental hygiene of childhood, adolescence, marriage, middle age, senility. Application of the science to the problems of parents, clergymen, and teachers, and its relation to crime, feeble-mindedness, alcoholism and physical disease.

Monday 4:20-6:00

DR. BRYAN



MEDIAEVAL AND RENAISSANCE CULTURE OF THE GERMANIC PEOPLES

An illustrated lecture course on Germanic history, folk-lore, art, music, and literature from the Middle Ages to the Classical Period. Given in coöperation with the Worcester Art Museum and making use of its large and representative selection of illustrated materials: color prints, slides, musical recordings, silent and sound films. The reference reading will be in English.

Wednesday, 4:15-5:55
Worcester Art Museum

MR. JANTZ



GENERAL BIOLOGY

An introduction to the study of plants and animals with special emphasis on their relationship to man. Special attention will be given to such groups as the insects, the mammals and the higher plants. If conditions permit, one or two field trips will be conducted during the spring. Laboratory fee \$1.00.

Thursday, 7:00-9:00
Worcester Junior College

MR. POTTER



AMERICAN TRADITIONS

A realistic examination of the American past. This survey of social and intellectual trends since 1825 will form a basis for judging American doctrines and practices of individualism, freedom of speech, public education, equality for all, humanitarianism, etc. It will consider treatment of particular groups from prisoners to plutocrats, reaction to various external forces ranging from dime novels to war, and achievements in fields as diverse as journalism and religion.

Wednesday, 7:00-8:40

MR. GUY LEE



INTRODUCTION TO MUSIC

Songs by Schubert and Schumann, piano-forte works by Chopin, the opera as developed by Wagner in "Lohengrin" and "Tannhäuser", the massive grandeur of Brahms' symphonies, and the colorful harmonic and rhythmic patterns conjured from the modern orchestra by Debussy and Stravinsky,—these comprise the principal materials for study in this course. To these works is added discussion and illustration of Weber, Mendelssohn and Berlioz as significant figures in the world of music.

The course is a rapid survey of music since Beethoven, and including the Romantic and so-called "modern" periods; it is designed to aid the listener in enjoying concerts, radio programs and the many opportunities constantly provided in a music-conscious world. A supplementary bulletin listing the composers and works to be studied is available on request.

Thursday, 7:00-8:40

MR. JOHNSON

SURVEY OF ENGLISH LITERATURE

A study of English prose and poetry from the reign of Queen Anne to the death of Queen Victoria, based upon selections from the writings of Pope, Swift, Johnson and his circle; the Romantic poets—Wordsworth, Shelley, Keats, Byron; the eminent Victorians—Carlyle, Arnold, Ruskin, Tennyson, Browning—and the Pre-Raphaelite group. A recent anthology serves as the text. Class meetings consist of lectures, discussions, and occasional written assignments.

Tuesday, 7:00-8:40

MR. HOOVER

MASTERY OF FRENCH READING

A continuation of the work of the first semester, open to new registrants who have a basic reading knowledge. A small amount of careful translation and much rapid content reading of short stories, plays, and material descriptive of France and French life. Practice in understanding the spoken language. Pronunciation drill. Upon the completion of this course students should be able to read any French of moderate difficulty and to understand simple spoken French.

Thursday, 4:20-6:00

MR. CHURCHMAN

GEOGRAPHIC ANALYSIS OF CURRENT EVENTS

A geographical analysis of significant current events of the world, especially from an economic and political point of view. The geographical background will be given as a basis for analysis of each problem. The course should be of direct use in teaching because of the influence these problems have on the present economic and political conditions of the world.

Thursday, 4:20-6:00 MESSRS. JONES AND
VAN VALKENBURG

BIRDS AND THEIR RELATIONSHIP TO MAN

Clues to the identification of the native and migratory birds of Massachusetts and their relationship to man. During the spring "Bird Walks", with the identification in the field of the returning birds, will be arranged if possible. Laboratory fee \$1.00.

Thursday, 4:20-6:00 MR. NUNNEMACHER

THE TEACHING OF MATHEMATICS IN JUNIOR AND SENIOR HIGH SCHOOLS

This is a course for teachers in service, designed not only to give rich backgrounds of the philosophy of teaching mathematics, but to offer suggestions which are immediately applicable in the classroom. It will deal with recent curriculum changes, objectives, content, methods of teaching and learning, and the testing program. Several concepts, such as the meaning and use of number and symbolism, the geometry of form and size, and reasoning, will be developed from their beginnings in the first grade through their culmination in the twelfth grade. Throughout the course the emphasis will be on ways and means of making mathematics meaningful and successful as a means of education. It is the aim to show how mathematics can be made a *thinking* rather than a manipulative subject for pupils of various degrees of ability.

During the year there will be several demonstrations in which the instructor will teach groups of children at various levels of attainment.

This course began in October but may be entered in February with profit and for full credit.

Wednesday, 4:20-6:00

MR. SMITH

FOUNDATIONS OF ORAL AND WRITTEN FRENCH

Completion of survey of the elements of grammar, applied functionally to exercises in speaking and writing. Practice in free composition, both written and oral. A course on the third-year level; it is assumed that those who enter have a good reading knowledge and acquaintance with the rudiments of grammar. The ordinary prerequisite is three years of high school French, or two at the college level. Although this is a continuation of the first-semester course, properly qualified new students may be admitted.

Tuesday, 4:20-6:00

MR. L. L. ATWOOD

CONTEMPORARY LITERATURE

Continuation of the work of the first semester in the study of outstanding books of the current season, in the field of the novel, poetry, drama, essay, and biography. The material is new each semester, hence, in spite of identity of title with courses previously offered, there is no duplication of content. New registrants are admitted at the beginning of each semester.

The course is conducted by means of lectures and prescribed and collateral readings. A supplementary leaflet, with a full summary of the content of the course, is available on request.

Tuesday, 4:20-6:00

MR. ILLINGWORTH

HUMAN GEOGRAPHY

A summary of the geographic influences which have affected man's domestic and social evolution, in such elements as his home, his clothing, his food, his weapons, his means of travel and trade and industry, and other material equipment, and in his language, his laws, his religions, his arts and sciences, and similar attributes. Chiefly in the form of lectures and limited reference work.

Wednesday, 4:20-6:00

MR. EKBLAW



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SECOND SEMESTER 1939-1940

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THURSDAY Birds and Man
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COURSES BEGIN FEBRUARY 5

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CLARK UNIVERSITY BULLETIN

NO. 146

DECEMBER 1939

The courses announced in this bulletin are open to High School Graduates, both men and women, and, by consent of the instructor, to students without the conventional training.

Each course carries a college credit of two semester hours. This credit is automatically granted to those who are formally enrolled as candidates for the degree of Bachelor of Education in Clark University. It may also be presented for college credit in outside institutions subject to the consent and regulations of the institution involved. Those not desiring an official record of work done are admitted as "auditors" and are not required to "matriculate."

REGISTRATION AND CHARGES

Registration involves the filling out of an enrollment card and payment of the fee. Students are not enrolled until the enrollment card and the fee for each course have been received by the Bursar. Those who desire to avoid the delay involved in making payments at the office of the Bursar may enroll by mail.

Tuition charges are \$15.00 for a course meeting two hours a week for one semester. A matriculation fee of \$5.00 is paid by credit students but not by auditors.

A LATE REGISTRATION FEE OF ONE DOLLAR A WEEK IS CHARGED AFTER FEBRUARY 17.

DEGREE OF BACHELOR OF EDUCATION

A descriptive circular containing regulations for this degree (also printed in the General Catalog), as well as blank forms for admission to candidacy, may be obtained from the University.

For further information address:

LYDIA P. COLBY, Recorder



CLARK UNIVERSITY BULLETIN

Entered as second-class matter, December 29, 1920, at the Post Office at Worcester, Mass., under the Act of August 24, 1912. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized January 24, 1921. This Bulletin is published in January, March, September, October, December.



CLARK UNIVERSITY

Commencement Week

PROGRAM

1940

FRIDAY, JUNE SEVEN

Alumni Council 4 P.M.

Lounge Room, Alumni Gymnasium

Senior Prom 9-2

Alumni Gymnasium

SATURDAY, JUNE EIGHT

Class Day Exercises 10:30 A.M.

Atwood Hall

Alumni Business Meeting 11:30 A.M.

Lounge Room, Alumni Gymnasium

Alumni Luncheon 1 P.M.

Alumni Gymnasium

Class Reunions 6:30 P.M.

President's Reception 8-10 P.M.

SUNDAY, JUNE NINE

Baccalaureate Sermon

11 A.M.

Dr. Johannes A. C. Fagginer Auer
Parkman Professor of Theology
Harvard University

Atwood Hall

Commencement Exercises

4 P.M.

Address by Honorable Hu Shih
Ambassador from China to the United States

Atwood Hall

Admission to Baccalaureate and the Commencement Exercises is by ticket only. Tickets may be obtained from the General Office.

President and Mrs. Atwood will be at home Saturday, June eight, from eight to ten to the Candidates for Degrees, their Commencement guests, members of the University, and Alumni.

Special reunions will be held by Classes of 1905, 1910, 1915, 1920, 1925, 1930, 1935, 1937, and 1939. Early reservations for the Commencement events should be made through the Alumni Office, otherwise tickets cannot be guaranteed. Tickets for the Alumni Luncheon are \$1.00; for the Senior Prom, \$5.00 a couple.

GEOGRAPHY

1. Lands and Peoples. MR. EKBLAW
2. Human Geography. MR. EKBLAW
3. Geographic Analysis of Current Events.
MESSRS. JONES AND VAN VALKENBURG

GERMAN

1. Introduction to German Culture. MR. JANTZ
2. Mediaeval and Renaissance Culture of the Germanic Peoples. MR. JANTZ

HISTORY

1. History of Europe since 1815. MR. D. E. LEE

MATHEMATICS

1. The Teaching of Mathematics in Junior and Senior High Schools. MR. SMITH

MUSIC

1. Introduction to Music. MR. JOHNSON

PSYCHOLOGY

1. Mental Hygiene. { DR. BRYAN &
Dr. Barton

SOCIOLOGY

1. Educational Sociology. MR. MELDER

Departmental Announcements

The unit of instruction for undergraduates is a "course." A "course" normally meets for classroom or laboratory exercises three or four times weekly throughout the year and constitutes one-fifth of a normal program for an undergraduate. A "half course" normally meets with the same frequency throughout one semester. Classes meeting twice weekly normally yield credit for one-third of a course in each semester.

Each unit of undergraduate instruction as listed below constitutes one "course" unless its value as a fractional course or a multiple course is indicated.

Advanced courses, not primarily for undergraduates, are announced with a statement of the number of weekly meetings. Undergraduates who are permitted to enroll in such courses should carefully check with the recorder to avoid any misunderstanding in regard to the equivalent number of "courses" represented by their programs.

Courses offered by the several departments are listed under three headings:

1. PRIMARILY FOR UNDERGRADUATES, designated by numbers beginning with the figure (1).
2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES, designated by numbers beginning with the figure (2).
3. PRIMARILY FOR GRADUATE STUDENTS, designated by numbers beginning with the figure (3).

Credit for the first semester alone is given in all courses except in cases where a department, by a note following the description of the course, specifically reserves the right to withhold credit until the second semester of the course is satisfactorily completed.

Any course may be entered at the beginning of the second semester, with the consent of the instructor, by students who are prepared to take up the work of the course at that time.

DEPARTMENT OF ANCIENT LANGUAGES

PROFESSOR BRACKETT

A major in ancient languages consists (1) of four courses involving the study of the Greek or Latin language, or of both; (2) of Greek 17, and (3) of two courses in English literature.

COURSES IN GREEK

11. First Year Course. Divisible only in special cases with the approval of the department and of the College Board.

Open to freshmen.

Through the year. M. W. F., 10.

MR. BRACKETT

12. Xenophon, *Anabasis*; Homer, *Iliad*. About ten weeks at the beginning of the year are devoted to reading selections from the *Anabasis*, the principal aim being to increase the student's facility in translation. The remainder of the year is devoted to the *Iliad*.

Open to freshmen.

Through the year. M. W. F., 11.

MR. BRACKETT

Omitted, 1939-40.

13. The Greek Drama. Aeschylus, *Prometheus Bound*; Sophocles, *Antigone*; Euripides, *Medea*.

Through the year. M. W. F., 9.

MR. BRACKETT

16a. Greek Tragedy in English. Plays of Aeschylus.

Half course, first semester. M. W. F., 9.

MR. BRACKETT

Omitted, 1939-40.

Greek 17. Greek Civilization. This course will cover the period from the beginnings of Greek history to 146 B.C.

Open to freshmen with the consent of the instructor.

Through the year. Tu. Th. S., 11.

MR. BRACKETT

Given in the first semester only, 1939-40.

18. Greek Drama in English. Plays of Aeschylus, Sophocles and Euripides.

Through the year. T. Th. S., 11.

MR. BRACKETT

Omitted, 1939-40.

COURSES IN LATIN

1. PRIMARILY FOR UNDERGRADUATES

11. First Year Course.

Open to freshmen.

Through the year. T. Th. S., 10.

MR. BRACKETT

Omitted, 1939-40.

12. Selections from Catullus; Horace, selected epodes and odes.

Open to freshmen.

Through the year. M. W. F., 2.

MR. BRACKETT

121a. Livy and Horace. Satires and epistles.*Half course*, first semester.

MR. BRACKETT

15. Selections from Caesar, Cicero and Ovid. This course is open to students who have had Latin 11 or its equivalent. The principal aim is to increase the student's ability to read Latin.

Through the year. T. Th. S., 9.

MR. BRACKETT

Omitted, 1939-40.

16a. Selections from Lucretius, De Rerum Natura and Cicero, Tusculan Disputations.*Half course*, first semester.

MR. BRACKETT

Omitted, 1939-40.

18b. The Teaching of Latin; Latin Composition.*Half course*, second semester.

MR. BRACKETT

Omitted, 1939-40.

17. Roman History. This course will deal with the history of Rome from the earliest period to the downfall of the Western Roman Empire.

Half course.

MR. BRACKETT

Omitted, 1939-40.

COURSES IN ART AND MUSIC*

LORING HOLMES DODD, *Professor of Rhetoric, Curator of Art.*H. EARLE JOHNSON, *Instructor in Music, Director of Musical Organizations.*

The following courses are offered: (a) as general electives; (b) as means for satisfying the general requirement in art or music [see 6 under "Requirements for the degree of Bachelor of Arts"].

The following courses are not accepted in fulfilment of requirements in English or in "division B."

Art 10b. The Art of My Country. American accomplishment in painting, sculpture and architecture. Illustrated lectures, assigned readings, field trips.

Half course, second semester. M. W. F., 9.

MR. DODD

Omitted, 1939-40.

*Beginning September 1940 courses in Art and Music will be included in the offerings of a newly established Department of Fine Arts.

Art 11b. Great Moments in the Art of Europe. The outstanding eras in painting, sculpture and architecture in the several countries of Europe. Illustrated lectures, assigned readings, frequent visits to museums.

Half course, second semester. M. W. F., 9.

MR. DODD

Music 12. A survey course in the history and understanding of music, beginning with Carl Philipp Emmanuel Bach and the genesis of sonata-form, and extending to the contemporary scene. The Vienna classicists, the romantic movement, the rise of impressionism, the so-called modernists are treated in the various types of music to be heard in concert-hall, opera house, and over the radio.

Elective for sophomores, juniors, and seniors.

Divisible only with the consent of the instructor.

Through the year. M. W. F., 11.

MR. JOHNSON

Music 13a. The Opera. A course in the evolution of opera from Peri's *Dafne* to Richard Strauss' *Elektra*. Special attention will be given to the social and literary backgrounds which underlie the music-drama.

Half course, first semester. M. W. F., 10.

MR. JOHNSON

DEPARTMENT OF BIOLOGY

PROFESSOR HOAGLAND, *Chairman of Work in Physiology*

PROFESSOR POTTER, *Chairman of Work in Zoology and Botany*

ASSISTANT PROFESSOR NUNNEMACHER, VISITING PROFESSOR PINCUS

Research Associates

DOCTORS GRAUBARD, HADIDIAN, D. MARTIN

GENERAL STATEMENT

The biological laboratories are well-equipped for the courses offered and contain special equipment for advanced investigations. In addition, annual funds are available for purchasing and building apparatus as it may be required. The university library contains complete files of the more important periodicals and reference works. Certain assistantships, fellowships and scholarships are available from time to time.

UNDERGRADUATE WORK

Biology 11 presents a comprehensive view which is prerequisite to all other courses in the department.

An undergraduate majoring in biology is expected to complete at least:

1. Biology 11 and three advanced courses, subject to the approval of the department. Candidates for honors in biology should also take Biology 14.
2. Mathematics 10 or 11.
3. Physics 11.
4. Chemistry 11.
5. French or German to an amount sufficient for a good reading knowledge.

Undergraduates who major in biology should choose at least one additional elective course in chemistry or in physics.

GRADUATE WORK

Students whose records are approved by the department may be admitted by the Graduate Board for work leading to the degree of Master of Arts in biology or to the degree of Doctor of Philosophy in general physiology. Certain courses in physics, chemistry, mathematics and psychology may be credited in the Department of Biology.

The general requirements for the master's degree and for the doctorate are stated elsewhere in this catalog. In addition to the general requirements, the department has a supplementary requirement that an additional copy of each doctor's dissertation must be deposited with the department.

The analysis of fundamental activities of living organisms is undertaken upon the basis of physicochemical principles. For this reason some foundation in physics, chemistry and mathematics as well as in biology is essential for advanced work.

WORK IN PHYSIOLOGY

General Physiology is concerned primarily with physicochemical determinants of living processes. For this reason certain prerequisites are necessary for its study. Undergraduate enrollment is limited to those, usually seniors but occasionally juniors, who have had an adequate background in biology and in the physical sciences. Physiology 200 is recommended for premedical students and for other majors in the Departments of Biology and Chemistry since it attempts to integrate a broad field of experimental science in terms of the functioning of living systems.

Through generous research grants from foundations, pharmaceutical houses and individuals, a program of research in two main

lines of physiology is in progress: (a) research in the field of nerve physiology, and (b) endocrine physiology centering about the relation of the sex hormones to chemical embryology and to human cancer. Since both of these researches involve clinical aspects, there has been close research coöperation with several of the Worcester hospitals.

In addition to the course work in physiology, graduate students majoring in this field are expected to take certain recommended courses in physics, chemistry, and psychology. Approximately forty per cent of the course work for the Ph.D. in General Physiology is usually done in related departments and members of these related departments assist the biology staff as examiners. Candidates for the Ph.D. are also expected to take a summer school course in mammalian physiology. The Harvard Medical School gives an especially suitable course of this kind.

COURSES IN BIOLOGY

It should be borne in mind that many of the courses in Biology are given in alternate years. The special course sheets given out at the time of registration should be consulted.

1. PRIMARILY FOR UNDERGRADUATES

11. General Biology. An introduction to the fundamental principles and problems of biology. Divisible course upon approval by the department.

Open to freshmen.

Through the year. M. W. F., 11; M., 2.

MR. POTTER AND MR. NUNNEMACHER

12. Vertebrate Zoology. A study of the morphology of the vertebrates from a comparative standpoint which traces the evolution of animals from fish to mammals. Lectures and laboratory work.

Through the year. W. F., 9; T. F., 2. MR. NUNNEMACHER

13. Seminar in General Biology. Credit is not given for this course. All students in the department are invited to attend and to participate.

STAFF OF THE DEPARTMENT

14. Botany. First semester, morphology and taxonomy of the lower plants. Special emphasis is given to the algae and fungi.

Second semester, systematic botany of the higher plants with special emphasis on our local flora. A collection of one hundred

plants is required, also a spring field trip of at least three days' duration.

Each semester of the course may be elected separately.

Prerequisite, Biology 11, first semester.

Through the year. Tu. Th. S., 11; Th., 2.

MR. POTTER

15b. Invertebrate Zoology. A detailed study of the structure, life history, habits, and distribution of invertebrate types. Two lectures and two laboratory periods per week.

Half course, second semester.

MR. NUNNEMACHER

Omitted, 1939-40.

16a. Histology. A comprehensive course dealing with tissue structure. Emphasis is placed on the study of mammalian tissues. Two lectures and two laboratory periods per week.

Half course, first semester. Tu. W. Th. F., 8.

To be omitted, 1940-41.

MR. NUNNEMACHER

17a. Embryology. A consideration of the fundamentals of embryology. Two lectures and two laboratory periods per week.

Half course, first semester.

MR. NUNNEMACHER

Omitted, 1939-40.

18b. Genetics. An introduction to the principles of genetics.

Half course, second semester.

MR. POTTER

Omitted, 1939-40.

140. Advanced Systematic Botany. Prerequisites, Biology 11, first semester and Biology 14, second semester.

Through the year.

MR. POTTER

Omitted, 1939-40.

141b. Economic Botany. A study of the world's commercial plant products.

Half course, second semester.

MR. POTTER

142b. Entomology. An introduction to the study of insects.

Half course, second semester.

MR. POTTER

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

200. General Physiology. Open to students who satisfy the instructor as to their preparation. The principal types of functioning characteristic of living organisms are considered in the light of their physicochemical determinants.

Through the year. Tu. Th., 11 and two laboratory periods.

MR. HOAGLAND AND MR. HADIDIAN

203. Special Problems. Advanced semi-independent study of an approved topic under the direction of a member of the staff.

Hours and credit to be arranged. STAFF OF THE DEPARTMENT

204. Physiology of the Nervous System (Seminar). A study of nerve action potentials, synaptic transmission, reflex action and the functions of higher brain centers. Open to students who satisfy the instructor as to their preparation.

Through the year. Hours to be arranged. MR. HOAGLAND

Omitted, 1939-40, and to be omitted, 1940-41. This course will alternate with 303.

207. Mechanisms of Reaction (seminar). Mechanisms underlying the behavior of organisms are considered from the standpoint of experimental physiology.

Two hours, through the year. MR. HOAGLAND

3. PRIMARILY FOR GRADUATE STUDENTS

303. Biophysics. Organisms and radiation phenomena. Principles of physics and physical chemistry in relation to physiological mechanisms. Open to students who satisfy the instructor as to their preparation. Physiology 200 should precede 303. In special cases it may be taken concurrently with 303.

Through the year. Hours to be arranged. MR. HOAGLAND

Omitted, 1939-40. This course alternates with 204.

304. Seminar in Experimental Physiology. Credit is not given for this course but all graduate students are expected to participate in the regular weekly meetings. The seminar is largely conducted by the research staff of the department and by invited speakers. During 1939-40 the sex hormones were discussed by Dr. Pincus and by visiting speakers. STAFF OF THE DEPARTMENT

308. Research in Physiology.

Credit to be arranged.

MR. HOAGLAND

Psychology 320a. Advanced Experimental Psychology.

MR. BROWN

Courses in other departments especially recommended for graduate students in physiology who have the suitable prerequisites are Physics 14 and 23, Chemistry 19 and 32, and Psychology 320a.

DEPARTMENT OF CHEMISTRY

PROFESSOR MERIGOLD, PROFESSOR BULLOCK, ASSISTANT PROFESSOR
MACDOUGALL

Courses in chemistry fall into two groups:

First, those primarily for undergraduates. They furnish a foundation for professional work in chemistry or medicine, and are suitable for students desiring some knowledge of the subject as part of their general education.

Second, those primarily for graduates, leading to advanced degrees.

UNDERGRADUATE WORK

Students who intend to become professional chemists or to study for an advanced degree in chemistry should *major* in chemistry and take at least two years' work in physics.

They are advised to conform as closely as possible to the schedule given below.

First year: Chemistry 10 or 11; Mathematics 10 or 11; English 11; social science (division B) and foreign language.

Second year: Chemistry 12a, 13b, and 14; Physics 11; Mathematics 12; and a continuation of work in foreign language.

Third year: Chemistry 15, 110, and 19; and electives.

Fourth year: Five courses, chosen from the following: Chemistry 111, 212b, 214, 215; Physics 14 and 15; an elective. A choice, with reference to future work, should be made after consultation with the chemistry staff.

Two years of mathematics are required preparation for Chemistry 19 and for graduate work in chemistry. The same amount of mathematics is recommended for all who elect chemistry as a "major."

Those students who intend to enter the field of secondary education should acquaint themselves with the requirements in "education" of state and local licensing boards and prepare to meet these requirements. This may necessitate the omission of certain courses in chemistry scheduled for the third and fourth years.

Students intending to study medicine should elect courses 10 or 11, 12, 15 and 110 which are required for admission to practically all "class A" medical schools. Courses 13 and 14 are strongly recommended if time allows.

Attention is called to laboratory fees and breakage deposits listed under the general heading "Laboratory Fees and Deposits."

GRADUATE WORK

The Department of Chemistry provides graduate students with training in the fundamental principles of chemistry sufficiently broad to prepare them adequately for a scientific career.

Requirements for advanced degrees cannot be met merely by pursuing a course of studies or by carrying on an investigation. Hence no definite course of graduate studies is outlined. Ordinarily, completion of the undergraduate program outlined above will be a prerequisite for graduate work in chemistry.

All graduate students are required to have an adequate reading knowledge of French and German. This requirement applies to candidates for either the master's degree or the doctor's degree.

Students registered for advanced degrees are expected to spend not less than eighteen hours per week in the laboratory. This may include special laboratory work in organic, inorganic, and physical chemistry.

Graduate scholarships and fellowships are available to students in this department.

COURSES IN CHEMISTRY

1. PRIMARILY FOR UNDERGRADUATES

10. Elementary Chemistry. Intended primarily for students who have not previously studied chemistry. Equivalent to course 11 as preparation for advanced courses.

Indivisible course.

Open to freshmen who have not studied chemistry in high school.

Through the year. Tu. Th. S., 9; Th., 2. MR. MACDOUGALL

11. General Chemistry. Chiefly inorganic. Systematic study of the elements and their principal compounds and the fundamental laws and theories of chemistry. Three lectures and three hours of laboratory work per week. Divisible only by consent of instructor.

Open to freshmen who have studied chemistry in high school.

Through the year. M. W. F., 11; M., 2. MR. MERIGOLD

12a. Qualitative Analysis. Chiefly laboratory work, nine hours per week. Occasional lectures and recitations. Prerequisite, course 11 or its equivalent.

Half course, first semester. Tu. F., 2.

MR. BULLOCK

13b. Introduction to Physical Chemistry. Lectures on some of the fundamental principles governing chemical behavior. Topics will include gas laws, solutions, ionic reactions and equilibria. This course is prerequisite to further work in physical chemistry, and is required of all chemistry majors. Prerequisite, course 12.

Half course, second semester. Tu. F., 2-3; W., 12.

MR. MACDOUGALL

14. Quantitative Analysis. Chiefly laboratory work, with occasional lectures, recitations, and problems. Six hours of laboratory work, and one lecture per week. Prerequisite, course 13.

Divisible for premedical students. The complete course is required for a "major" in Chemistry.

Through the year. Tu., 3:30; Th., 2.

MR. MERIGOLD

15. Elementary Organic Chemistry. Lectures on the fundamental principles of organic chemistry. Prerequisite, a grade C- or better in course 11, or its equivalent.

Through the year. M. W. F., 9.

MR. BULLOCK

19. Physical Chemistry. A study of the theoretical aspect of chemistry including gases, liquids, solids, solutions, equilibria, reaction rates and electromotive force. Five hours of laboratory work and three lectures per week. Prerequisites, grades C- or better in Chemistry 13b and 14, Mathematics 12, Physics 11. Divisible only by consent of instructor.

One and one-half course, through the year. Tu. Th. S., 10.

MR. MACDOUGALL

110. Organic Synthesis and Analysis. Laboratory work in the preparation of typical organic compounds. Course 110 should be taken, if possible, in connection with course 15. Four and one-half hours of laboratory work per week. Open only to students who take or have taken courses 12, 14 and 15.

Half course, continuing through the year. Th., 2. MR. BULLOCK

111. Detection and Analysis of Organic Compounds. Chiefly laboratory work. Open to students who take or have taken Chemistry 110.

This course may be taken throughout the year four and one-half hours per week to supplement Chemistry 19 or 110, or 9 hours per week during the second semester.

Half course, continuing through the year. M., 2. MR. BULLOCK

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

212b. History of Chemistry. Outline of the historical development of the science, and the relation of chemistry to other sciences at various periods of development. Lectures, collateral reading, reports and thesis. Open to graduate students and seniors who take or have taken Chemistry 15 and 19 or equivalent courses. Required for advanced degrees in Chemistry.

Half course, second semester. Tu. Th., 11. MR. MERIGOLD

214. Advanced Quantitative Analysis (including gas analysis). Prerequisite, course 14. Lectures and laboratory work, nine hours per week.

Through the year. Tu. Th., 2. MR. MERIGOLD

215. Honors Course. Primarily for candidates for "honors in Chemistry."

STAFF OF THE DEPARTMENT

3. PRIMARILY FOR GRADUATE STUDENTS

32. Advanced Physical Chemistry. Lectures on thermodynamics, electrolytic solutions, theories of reaction rates, and quantum statistics. Selected special topics will be taken up according to the time available and the needs of the class.

Three hours, through the year. M. W. F., 11. MR. MACDOUGALL

33. Advanced Organic Chemistry. Lectures on selected subjects in organic chemistry.

Two hours, through the year. Tu. Th., 11. MR. BULLOCK

34. Advanced Inorganic Chemistry. Lectures on selected topics in inorganic chemistry.

Three hours, through the year. Tu. Th. F., 9. MR. MERIGOLD

35. Seminar. Staff and graduate students. Reports on research work being carried on in the laboratory and report and discussion of recently published work in related fields.

Once a week, through the year. W., 4.

STAFF OF THE DEPARTMENT

314. Research in Inorganic Chemistry. MR. MERIGOLD

315. Research in Organic Chemistry. MR. BULLOCK

318. Research in Physical Chemistry. MR. MACDOUGALL

DEPARTMENT OF ECONOMICS AND
SOCIOLOGYPROFESSOR BRANDENBURG, PROFESSOR MAXWELL, PROFESSOR
LUCAS, ASSISTANT PROFESSOR MELDER

The first aim of the department is to give students a systematic knowledge of the organization and functions of our economic and social order. But this cultural objective is not exclusive. Many of the courses in economics have a vocational aspect and should receive the attention of students looking forward to business or professional careers. Among such courses are the following: 13, 16a, 17b, 18, 20a, 22, 24a, 117.

Economics 11 is a prerequisite to all other courses in economics, with the possible exception of Economics 14a and 14b, and is required of all majors in the department. Courses taken outside the department in partial fulfillment of the major requirement should be selected, subject to departmental approval, so as to provide a unified program centering about the student's major interest.

Candidates for departmental honors will engage in a program of independent study consisting of reading and research designed in part to give them specialized training in the fields of their major interest and in part to supplement formal courses. Ordinarily a student will not begin his independent study until the second semester of the junior year, nor will he be permitted to undertake the equivalent of more than two courses in independent study.

In making elections, students should bear in mind that many advanced courses are offered only in alternating years.

GRADUATE WORK

The department regularly offers courses leading to the master's and doctor's degrees. Students expecting to enter upon advanced work should have creditably mastered basic courses in economics equivalent at least to a total of four courses, including Economics 11; those whose preparation is inadequate should expect to remove the deficiency before proceeding to study for a higher degree.

A sufficient range of courses will be offered in cycles of two or three years so that graduate students may be adequately prepared for candidacy for the doctorate in this department. The classification of courses as undergraduate, intermediate, and graduate is necessarily an elastic one. Graduate students electing courses in the undergraduate category will be required to do additional work; un-

dergraduate students in courses of the intermediate group will be expected to do work of substantially graduate caliber.

Fellowships, scholarships, assistantships, and other aids are available to a limited number of worthy students.

Attention is directed to closely allied courses offered in geography, history and international relations, and psychology.

COURSES IN ECONOMICS

1. PRIMARILY FOR UNDERGRADUATES

10. Social Science Survey. An introduction to methods and materials of the social sciences preparatory to later work in these fields.

Indivisible course.

For freshmen; others will receive reduced credit.

Through the year. M. W. F., 9.

MR. BRANDENBURG

11. Principles of Economics. An introduction to the fundamental economic principles, together with a study of the practical application of these principles to the problems of American life. Economics 10 is a desirable preliminary course.

Indivisible course.

Through the year. Tu. Th. S., 10.

MR. LUCAS

13. Money and Banking. Indivisible course.

Through the year. M. W. F., 9.

MR. MAXWELL

14a. Economic History of Western Europe since 1700.

Half course, first semester. M. W. F., 10.

MR. MAXWELL

Omitted, 1939-40.

14b. Economic History of the United States.

Half course, second semester. M. W. F., 10.

MR. MAXWELL

Omitted, 1939-40.

15a. Public Finance.

Half course, first semester. M. W. F., 10.

MR. MAXWELL

To be omitted, 1940-41.

16a. Economic Statistics. Primarily for students of Economics and Sociology.

Half course, first semester. Tu. Th., 11; Th., 2:30. MR. MELDER

To be omitted, 1940-41. Offered in alternate years.

17b. Business Administration. An introduction to business principles and practices. The course seeks to acquaint the student with the leading internal problems of business, and methods or procedures by which the problems are attacked.

Half course, second semester. Tu. Th. S., 11. MR. MELDER
To be omitted, 1940-41. Offered in alternate years.

117. Principles of Accounting. The organization and use of financial records, with emphasis on their interpretation as well as on the technique of procedure.

Indivisible course.

Through the year. Tu. Th., 11; Th., 2-4. MR. MELDER
Omitted, 1939-40. Offered in alternate years.

18. Business Organization and Business Finance. A unified year's work in the structure of modern industry, the financial practices of corporations, and the problem of social control. The second half of this course is open only to students who have completed the first half.

Through the year. Tu. Th. S., 9. MR. LUCAS

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

20. Business Law.

Through the year. Tu. Th. S., 10. MR. MELDER
To be omitted, 1940-41. Offered in alternate years.

21b. Business Cycles. Analysis of the business cycle, theories of causation of the trade cycle, and various approaches to its control.

Half course, second semester. Tu. Th. S., 11. MR. MELDER
Omitted, 1939-40. To be omitted, 1940-41. To be offered in 1941-42 and in alternate years.

22. Labor Problems.

Through the year. M. W. F., 11. MR. BRANDENBURG
To be omitted, 1940-41.

210a. Economic and Social Reform. The historical and critical study of various programs. Prerequisite, Economics 14.

Half course, first semester. M. W. F., 11. MR. BRANDENBURG
Omitted, 1939-40.

211b. Contemporary Reform Movements. A continuation of Economics 210a into special fields for selected students. Prerequisite, Economics 210a.

Half course, second semester. M. W. F., 11. MR. BRANDENBURG
Omitted, 1939-40.

24a. Marketing. An introduction to the economics of marketing. Special attention is devoted to the marketing process as a whole, to specific methods and practices of important markets such as those for agricultural and manufactured goods and services. The course concludes with a summary study of marketing problems and methods practised or proposed for solving these problems.

Half course, first semester. Tu. Th. S., 10. MR. MELDER

Omitted, 1939-40. Offered in alternate years.

240b. Economics of Consumption. Theories of consumption, the relation of consumption patterns to other aspects of economic organization, private and social controls of consumption; consumer movements, planes of living, and other consumer problems.

Half course, second semester. Tu. Th. S., 10. MR. MELDER

Omitted, 1939-40. Offered in alternate years.

25b. Problems in Public Finance. Prerequisite, Economics 15a.

Half course, second semester. M. W. F., 10. MR. MAXWELL

To be omitted, 1940-41.

26. Government and Industry. An analysis of the proper function of government in controlling economic activity, including theories of control, historical development of control, and such special problems as the regulation of trusts, public utilities, and railroads. Economics 18 desirable. Indivisible course.

Three hours, through the year. W. F., 2. MR. LUCAS

27a. International Trade and International Finance. The nature, theoretical basis, methods of financing, and governmental control of the international movement of goods. Economics 13 desirable.

Half course, first semester. Tu. Th. S., 9. MR. LUCAS

Omitted, 1939-40.

28. Research in Selected Economic Problems. Limited enrollment; consent of the instructor required.

Credit and hours to be arranged. THE STAFF OF THE DEPARTMENT

29b. Economics of Transportation. History and present status of rail, water, and highway transport; rate-making; public regulation, government operation, and chief problems of the present.

Half course, second semester. Tu. Th. S., 9. MR. LUCAS

Omitted, 1939-40.

3. PRIMARILY FOR GRADUATE STUDENTS

31. International Economic Policies.

Two hours, through the year. M., 7-9. MR. BRANDENBURG

38a. History of Economic Thought to the End of the 18th Century.

Three hours, first semester. M. W., 2:30-4. MR. MAXWELL
Omitted, 1939-40.

38b. Modern Economic Thought. Attention will be given rather to the history of thought than to analytical criticism of specific doctrines.

Three hours, second semester. M. W., 2:30-4. MR. MAXWELL
Omitted, 1939-40.

39. Value and Distribution.

Three hours, through the year. Hours to be arranged.

To be omitted, 1940-41. MR. MAXWELL

311. Seminar in Economics and Sociology. Fortnightly round table on investigations by members of the seminar. Occasional outside speakers. All full-time graduate students in the department are required to attend. Not more than *one hour* credit may be allowed for this course.

Second and fourth Thursdays of each month at 7:30.

THE STAFF OF THE DEPARTMENT

COURSES IN SOCIOLOGY

1. PRIMARILY FOR UNDERGRADUATES

(See also Economics 10 and 11)

11. Principles of Sociology. What is society, and what are its fundamental inter-relationships? In attempting to answer these questions the course gives a comprehensive view of sociology as a social science, and serves as a solid base for further study in the field. Indivisible course.

Through the year. Tu. Th. S., 9.

MR. MELDER

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

(See also Economics 22, 210a, 211b, 240b, and 311)

27a. Educational Sociology. A study of education (organized and unorganized) and intellectual leadership in their relation-

ships to politics, government, the family, religion, patriotism, business cycles, and other socio-economic phenomena. Education in the United States as it is and as it may be, will receive particular attention.

A third hour of credit may be arranged for properly qualified students.

Two hours, first semester.

MR. MELDER

Omitted, 1939-40.

DEPARTMENT OF EDUCATION

VERNON JONES, *Professor of Educational Psychology*

RAYMOND B. CATTELL, *Professor of Genetic Psychology*

DONALD E. SUPER, *Assistant Professor of Educational Psychology*

With the coöperation of:

WALLACE W. ATWOOD, *President of the University and
Professor of Physical and Regional Geography*

PHILIP H. CHURCHMAN, *Professor of Romance Languages*

ROBERT S. ILLINGWORTH, *Professor of Dramatic Art*

GENERAL STATEMENT

In 1936 the trustees of the university voted to establish a Department of Education designed primarily to offer work leading to the degree of Master of Arts in Education.

It has become increasingly evident that candidates for the bachelor's degree who include a few courses in education in their undergraduate programs are not being adequately prepared to meet the demands for scholarly and professional training required by the better school systems. The Department of Education has been established with the aim of providing a fifth year of well-organized professional work for students who are interested in preparing for educational work, particularly at the secondary school level. A limited number of courses will be open to juniors and seniors in the undergraduate division upon the consent of the instructor, but the department recommends that undergraduate students concentrate upon the subject-matter fields in which they desire to teach, reserving for the fifth year the professional work in the theory and practice of education.

The requirements for the degree of Master of Arts in Education cannot be adequately stated in terms of courses to be taken, because the evaluation of the work of each student will be made on the basis

of achievement rather than on the basis of courses completed. However the minimum essentials in terms of course requirements are outlined below.

UNDERGRADUATE WORK

Properly qualified students of the junior and senior classes may, upon the approval of the instructor, register for any of the courses offered by the department which are designated by a number beginning with the figure 2.

In keeping with the general plan to offer in five years a well-rounded program of teacher training with emphasis on the professional aspects of the training in the fifth year, *an undergraduate major in education is not offered.*

GRADUATE WORK

The rules and regulations stated in the current catalogue (See "Graduate Division"—"Rules and Regulations") as applicable to the degree of Master of Arts also govern the degree of Master of Arts in Education with the following changes and additions:

Course requirements. The student will be expected to elect one of the following groups of studies as the field in which he wishes to teach:

- (a) Mathematics and natural sciences
- (b) History, geography, and economics
- (c) Ancient and modern foreign languages
- (d) English, alone or in combination with some related subject

Prior to receiving the degree, the candidate must have completed not less than five year-courses in one of the above groups, or in a combination of groups approved by the Department of Education. At least one year-course of the five must be taken during residence for the advanced degree and must be passed with a grade satisfactory for graduate credit. In addition to the above requirement in the subject-matter field, sixteen semester hours of graduate work in education will normally be required of the candidate during residence. The program of courses to yield these sixteen hours must be approved in advance by the department. Changes in the proportion of education and subject-matter courses may be made by the department on the basis of the candidate's previous training. Work, additional to the above requirements, either in the subject-matter

field or in education, or both, may be required if this seems necessary for the adequate preparation of the candidate.

Thesis. The candidate must present a "thesis," or "special report," in which he demonstrates not only his grasp of the subject-matter which he plans to teach but also a mastery of the educational principles necessary for such teaching. The thesis will be adapted to the vocational needs of the candidate and will not be regarded as an index of his capacity for research. In this respect it will differ somewhat from the thesis required of candidates for the degree of Master of Arts in other fields.

COURSES IN EDUCATION

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

201a. Educational Psychology. A study of psychology as it bears upon the problem of education.

Two hours, first semester. W., 4-6.

MR. JONES

202b. (Psychology 202b) Individual Differences and Exceptional Children. The course will include a study of the bright, the dull, the psychoneurotic, and the delinquent child.

Two hours, second semester. F., 4-6.

MR. JONES

204b. The Teaching of Modern Languages. A study of the major problems in the teaching of French. Incidental reference will be made to German and Spanish. Prerequisite, third-year college French or German course, taken previously or at the same time.

Half course, second semester. Tu., 11; W., 4-6. MR. CHURCHMAN
Omitted, 1939-40. Offered in alternate years.

205a. The Teaching of English. Methods of teaching poetry, drama, novel, short story, oral and written composition.

Half course, first semester. M., 4-6, third hour to be arranged.

MR. ILLINGWORTH

206b. (Psychology 206b) Psychology of Adolescence. A study of adolescent development emphasizing the interaction of the individual, the group and the culture.

Two hours, second semester. Th., 4-6.

MR. SUPER

3. PRIMARILY FOR GRADUATE STUDENTS

302. (Psychology 302) Genetic Study of Normal and Abnormal Personality. Personality will be investigated by

clinical, experimental, and biological approaches. A survey of the influences of nature and nurture in determining personality will be included.

Two hours, through the year. W., 2-4.

MR. CATTELL

303. (Psychology 303) Guidance of Adolescents. The basic assumptions of guidance, methods and techniques, will be studied during the first semester. The second semester will be devoted largely to case studies and field work.

Two hours, through the year. S., 9-11.

MR. SUPER

308a. Principles of Secondary Education. A survey of the aims, responsibilities, and general methods in secondary education.

Two hours, first semester. S., 11-1.

MR. JONES

Education 309b. Historical Development of Modern Education. The development of modern education in its intellectual and social setting from the time of the Reformation to the present day, with emphasis on American education.

Two hours, second semester. W., 4-6.

MR. SUPER

310b. (Psychology 310b) Psychology of Character Development. A survey and critical evaluation of the experimental evidence in the field of character development.

Two hours, second semester. S., 11-1.

MR. JONES

313a. (Psychology 313a) Statistical Methods. The purpose of the course will be primarily to give practice in the most valuable statistical methods for educational and psychological experimentation.

Two hours, first semester. Th., 4-6.

MR. JONES

314. (Psychology 314) Advanced Educational Psychology: Tests and Measurements. A systematic and critical survey of psychological and educational tests. Both theoretical and applied aspects of testing will receive consideration.

Two hours, first semester. W., 4-6.

MR. SUPER

Two hours, second semester. Th., 4-6.

MR. JONES

315. Apprenticeship Teaching. An informal course consisting of extensive apprenticeship work in the field or fields in which the student plans to teach. Individual supervision to be given by the department and by critic teachers in cooperating schools.

Two hours. Time to be arranged individually with each student.

CRITIC TEACHERS AND MR. JONES

316b. Geography in Education.

Two hours, second semester. Tu., 4:20-6. MR. ATWOOD, SR.
Omitted, 1939-40. To be offered, 1940-41.

DEPARTMENT OF ENGLISH

PROFESSOR AMES, PROFESSOR DODD, PROFESSOR ILLINGWORTH,
ASSISTANT PROFESSOR HOOVER, MR. MARBLE

English 11 is required of all freshmen. Those who complete the first semester of English 11 with a grade of A - or better may substitute for the second semester of English 11 any second semester course in English literature or composition which is elective for sophomores.

A major in English consists of seven courses, not less than four of which and not more than five must be in English literature or composition and the others in related subjects. The following courses are prescribed for all students electing a major in English: English 13, 15, and three semesters chosen from English 113, 122, 146, 142 (one semester only). English 11 may not be counted as part of a major in English.

A student intending to major in English will be advised by the department in regard to his choice of courses in the major subject and related fields.

THE PRENTISS CHENEY HOYT PRIZE IN POETRY

A prize of fifteen dollars is awarded annually by the Department of English for the best poem by an undergraduate. This is the interest on a fund established by the alumni as a memorial to Prentiss Cheney Hoyt, Professor of English at Clark University from 1909 to 1920.

COURSES IN ENGLISH

1. PRIMARILY FOR UNDERGRADUATES

11. English Composition. The aim of the course is to improve expression in writing and to increase appreciation of literature through weekly practice in writing, particularly in expository writing, and through collateral reading.

Required of freshmen.

Through the year. Tu. Th. S., 11.

MR. HOOVER

12a. Public Speaking. A course in the composition and delivery of speeches and practice in impromptu speaking. The aim

of the course is to train the student to think logically and to speak simply and effectively when on his feet.

Open to freshmen.

Half course, first semester. M. W. F., 9. MR. ILLINGWORTH

114a. Elizabethan Drama.

Half course, first semester. M. W. F., 8. MR. ILLINGWORTH

Omitted, 1939-40.

142a. The English Novel. A study of the novel from its beginning to Thomas Hardy.

Open to freshmen.

Half course, first semester. M. W. F., 8. MR. ILLINGWORTH

142b. The Modern Novel.

Half course, second semester. M. W. F., 8. MR. ILLINGWORTH

143b. Argumentation and Debate. A systematic study of the principles and practice of argumentation.

Half course, second semester. M. W. F., 9. MR. ILLINGWORTH

145a. Stagecraft.

Open to freshmen.

Half course, first semester. MR. ILLINGWORTH

Omitted, 1939-40.

145b. Acting.

Half course, second semester. MR. ILLINGWORTH

Omitted, 1939-40.

146b. Oral Interpretation of Literature.

Half course, second semester. MR. ILLINGWORTH

Omitted, 1939-40.

13b. Shakespeare. A general survey of Shakespeare's works, including the reading and class discussion of twelve plays. Elective for juniors and seniors.

Half course, second semester. Tu. Th. S., 9. MR. AMES

15. A Survey of English Literature. A course in English literature from its beginning to the end of the eighteenth century. Elective for juniors and seniors.

Through the year. M. W. F., 10. MR. AMES

16b. English Composition. Open to students who have attained high standing in English 11.

Half course, second semester. Tu. Th. S., 11. MR. AMES

Omitted, 1939-40.

18b. The Bible as Literature. Elective for juniors and seniors.

Half course, second semester. M. W. F., 10. MR. AMES
Omitted, 1939-40.

110a. English Literature of the Nineteenth Century. Elective for juniors and seniors.

Half course, first semester. M. W. F., 11. MR. AMES

111. American Literature. Elective for juniors and seniors.
Through the year. Tu. Th. S., 10. MR. AMES

113a. English Drama. From the mysteries and moralities to Barrie, Shaw and Galsworthy.

Open to freshmen.

Half course, first semester. Tu. Th. S., 9. MR. DODD
Omitted, 1939-40.

121b. Biography and Letters. The biography, autobiography and correspondence of distinguished authors, painters and sculptors, from the eighteenth century to the present. This course is open only to upper classmen who are proficient in English.

Half course, second semester. Tu. Th. S., 9. MR. DODD

122b. Modern Poetry. A study, in representative contemporary poets, of the new tendencies in verse. Opportunity is afforded for original verse composition. Open only to upper classmen who are proficient in English.

Half course, second semester. Tu. Th. S., 10. MR. DODD
Omitted, 1939-40.

124a. American Drama. A study of the American drama from colonial times to the present.

Open to freshmen.

Half course, first semester. M. W. F., 9. MR. DODD

125a. The Short Story. Representative short stories in English and American literature.

Open to freshmen.

Half course, first semester. Tu. Th. S., 9. MR. DODD

126b. Modern Continental Drama. A companion course to Modern English Drama.

Open to freshmen.

Half course, second semester. Tu. Th. S., 9. MR. DODD
Omitted, 1939-40.

DEPARTMENT OF FINE ARTS*

LORING HOLMES DODD, *Professor of Rhetoric, Curator of Art, Chairman of the Department of Fine Arts.*

H. EARLE JOHNSON, *Instructor in Music, Director of Musical Organizations.*

PERRY B. COTT, *Associate Director and Curator of European and Asiatic Art, Worcester Art Museum.*

With the coöperation of:

HAVEN D. BRACKETT, *Professor of Greek and Latin.*

DAVID M. DOUGHERTY, *Associate Professor of Romance Languages.*

ROBERT S. ILLINGWORTH, *Professor of Dramatic Art.*

HAROLD S. JANTZ, *Assistant Professor of German.*

UMBERTO ROMANO, *Head of Department of Drawing, Painting and Sculpture, School of the Worcester Art Museum.*

The courses listed below are offered by the University in coöperation with the Worcester Art Museum and are open to students of either institution.

Announcement of requirements for students who may *major* in the department will be made prior to the beginning of the fall term, 1940.

COURSES

1. PRIMARILY FOR UNDERGRADUATES

Fine Arts 1. Introduction to Art. A general course in the appreciation and history of the fine arts, considering the fundamental technical and aesthetic principles of art, and surveying the history of painting, sculpture and architecture from prehistoric to modern times. Prerequisite: History 11 (European history) or the signature of the instructor. Two lectures per week at the University, one conference period or equivalent at the Art Museum to be arranged.

Through the year.

MR. COTT

New course. To be offered, 1940-41.

Fine Arts 10b. The Art of My Country. American accomplishment in painting, sculpture and architecture. Illustrated lectures, assigned readings, field trips.

Half course, second semester. M. W. F., 9.

MR. DODD

Omitted, 1939-40.

*Beginning September, 1940.

Fine Arts 11b. European Art. The outstanding eras in painting, sculpture and architecture in Europe.

Half course, second semester. M. W. F., 9.

MR. DODD

Offered, 1939-40.

Fine Arts 111. Practical Art—Drawing and Painting. This course is designed to develop the individual creative ability of the student and to provide him with a technical proficiency in the various media of artistic expression. Drawing and painting from the cast and model; still life painting.

Students electing this course are charged a fee of \$10 each semester in addition to the regular tuition. There is also an initial expense estimated at about \$10 for materials, and a slight expense for replacement as the course progresses through the year. Credit to be arranged.

Through the year. Three hours per week at the School of the Worcester Art Museum.

MR. ROMANO

New course. To be offered, 1940-41.

Music 12. A survey course in the history and understanding of music, beginning with Carl Philipp Emmanuel Bach and the genesis of sonata-form, and extending to the contemporary scene. The Vienna classicists, the romantic movement, the rise of impressionism, the so-called modernists are treated in the various types of music to be heard in concert-hall, opera house, and over the radio. An indivisible course, except that qualified students may be admitted at the beginning of the second semester with the consent of the instructor.

Elective for sophomores, juniors, and seniors.

Through the year. M. W. F., 11.

MR. JOHNSON

Music 13a. The Opera. A course in the evolution of opera from Peri's *Dafne* to Richard Strauss' *Elektra*. Special attention will be given to the social and literary backgrounds which underlie the music-drama.

Half course, first semester. M. W. F., 10.

MR. JOHNSON

To be offered in the second semester, 1940-41.

Music 14a. The Life and Works of Beethoven. A detailed study of the major works by music's most inspired prophet of the nineteenth century. The pianoforte sonatas, the sixth to ninth symphonies, and the late quartets will comprise the principal subjects of study by means of phonograph recordings and demonstra-

tions in the classroom. Considerable attention will be given to Beethoven's life in connection with the changing conditions of his times. Music 12, or some previous interest in music is prerequisite.

Half course, first semester. M. W. F., 10. MR. JOHNSON

New course. To be offered, 1940-41.

Music 15. Music to 1750. A survey course from the earliest known music to the death of J. S. Bach. Primitive music, the Greek modes, the medieval period, the growth and development of polyphony, and the culmination of the contrapuntal styles are treated. Open only to students who intend to concentrate on the fine arts and those who have completed Music 12.

Half course. MR. JOHNSON

New course. To be offered, 1941-42.

French 113. Introduction to French Civilization. A selective survey of the history, art, literature, and music of France, from the Middle Ages to the present time, given in coöperation with the Worcester Art Museum. Ordinarily, it is expected that students will have completed French 14 before taking this course, inasmuch as a reading knowledge of the language is highly desirable.

French 113 may be counted in fulfillment of the general requirement in fine arts or music, but not in fulfillment of the requirement in foreign language.

Through the year. Tu., 4:15; W., 12. MR. DOUGHERTY

Omitted, 1939-40. Offered in alternate years.

German 14 and 141. Germanic Civilization. An illustrated lecture course on the cultural development of Northern Europe from Indo-European times through the Renaissance and classical period. Given in coöperation with the Worcester Art Museum.

In German 14 the required reading is entirely in English. German 141 requires extensive reading in German and yields credit in foreign language. The basic content is the same in both courses.

Through the year. At the Worcester Art Museum, W., 4:15-5:55. Additional hour at the University to be arranged. MR. JANTZ

Offered in alternate years. Not to be offered, 1940-41.

Greek 17. Greek Civilization. This course will cover the period from the beginnings of Greek history to 146 B.C.

Open to freshmen with the consent of the instructor.

Through the year. MR. BRACKETT

Given in the first semester only, 1939-40.

English 145a. Stagecraft.

Open to freshmen.

Half course, first semester.

MR. ILLINGWORTH

Omitted, 1939-40.

DEPARTMENT OF GEOGRAPHY

A complete statement of the aims and the scope of the offerings in geography will be found in the announcement of the Graduate School of Geography.

DEPARTMENT OF GEOLOGY

PROFESSOR LITTLE

1. PRIMARILY FOR UNDERGRADUATES

12. General Geology. A study of the origin of scenery, the classification of rocks, the structure of the earth, the geography of the past, and the evolution of life. Three recitations and one laboratory period or field trip weekly. (The laboratory period will be utilized in the manner deemed most advantageous by the instructor.) Attendance on one out-of-town field trip lasting two days or more is required.

Indivisible course.

Through the year. M. W. F., 8; Th., 2.

MR. LITTLE

The following courses are offered occasionally on special request of four or more students.

121b. Crystallography, Mineralogy, and Blowpipe Analysis. An elementary course on the identification of minerals by their geometrical, physical and chemical properties. Two class meetings and one laboratory period weekly. General geology is not a prerequisite for this course.

Half course, second semester.

MR. LITTLE

Omitted, 1939-40.

122b. Economic Geology. A study of the origin of the deposits of useful minerals and a discussion of their more important occurrences throughout the world. Elementary chemistry and geology provide a desirable preparation for this course. Two class meetings and one laboratory period weekly. Geology 121 is a prerequisite.

Half course, second semester.

MR. LITTLE

Omitted, 1939-40.

DEPARTMENT OF GERMAN

ASSOCIATE PROFESSOR BOSSHARD, ASSISTANT PROFESSOR JANTZ

The Department of German provides courses for the acquisition of a reading knowledge, for the fulfillment of the general requirement in foreign languages and for the completion of a major in German. German 112 is a course for upper classmen and graduate students; the courses numbered 11, 12, 13 form a regular sequence leading up to a good reading knowledge. German 131, "Practice in Speaking and Writing German," is a course preparing for mastery of the language, necessary for teaching and recommended for advanced work in literature. Courses designated as "advanced courses in literature," numbered 141, or higher, have as a prerequisite: German 13 or 131, or an achievement test in reading, writing and oral use of the language. A major in German consists of seven courses, including four or five in the department of German and others approved by the department.

COURSES IN GERMAN

1. PRIMARILY FOR UNDERGRADUATES

ELEMENTARY COURSES

11. Elementary German. (Two *independent* sections.) Vocabulary drill, pronunciation and grammar; composition, reading of easy prose. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 9 and 10.

MR. BOSSHARD

12. Second Year German. Reading, thorough review of grammar essentials, exercises in composition. Prerequisite, German 11.

Open to freshmen.

Through the year. Tu. Th. S., 9.

MR. JANTZ

112. Basic German. Open to juniors, seniors, and graduate students. Designed to make possible, with intensive application, the acquisition of a reading knowledge in German in one year, stressing an exact knowledge of the basic vocabulary, the fundamental points of grammar and sentence structure. MR. BOSSHARD

Omitted, 1939-40. To be offered in 1940-41 and in alternate years.

13. Third Year German. Extensive reading, chiefly in modern literature, grammar review, composition. Prerequisite, German 12. Open to freshmen.

Through the year. Tu. Th. S., 8.

MR. JANTZ

131. Practice in Speaking and Writing. Intensive linguistic work for prospective teachers and other students intending to continue with advanced work in German. After the month of October the course is conducted in German. Prerequisite, satisfactory work in German 12.

Open to freshmen.

Through the year. M. W. F., 8; Tu., 1.

MR. BOSSHARD

Omitted, 1939-40. To be offered in 1941-42 and in alternate years.

14 and 141. Germanic Civilization. An illustrated lecture course on the cultural development of northern Europe from Indo-European times through the Renaissance and Classical period, given in coöperation with the Worcester Art Museum.

German 14, in which the reading is entirely in English, may be counted toward fulfillment of the general requirement in Fine Arts, but not toward language credit. German 141, with extensive reading in German, will include language credit.

Through the year. At the Worcester Art Museum. Wed. 4:15-5:55. Additional hour at the University to be arranged. MR. JANTZ

Offered in 1939-40 and in alternate years.

ADVANCED COURSES IN LITERATURE

141. Germanic Civilization. See statement under 14 and 141 above.

151a. Classical and Nineteenth Century German Drama. Reading and discussion of select plays of Lessing, Goethe, Schiller, Kleist, Hebbel, Wagner, Hauptmann, and others.

Half course, first semester. T. Th. S., 11.

MR. JANTZ

Omitted, 1939-40. Offered on request.

152b. The German Novel of the Nineteenth and Twentieth Centuries. Select novels, and novellen from the Romantic period to the present.

Half course, second semester.

MR. JANTZ

Omitted, 1939-40. Offered on request.

153. Contemporary German Literature. Lectures, readings. In the first semester the course will be conducted largely in English, but in the second in German. A conference course.

Through the year. Tu. Th. S., 10.

MR. JANTZ

To be offered in 1940-41 and in alternate years.

161a. Lyric Poetry. A survey of representative German lyric poetry.

Half course, first semester. M. W. F., 11.

MR. BOSSHARD

Omitted, 1939-40. To be offered in 1940-41 and in alternate years.

162b. Goethe's Faust. A study of this Drama, its message, and of the poet's own development and the evolution of the literary and philosophic currents of his time.

Half course, second semester. M. W. F., 11.

MR. BOSSHARD

Omitted, 1939-40. To be offered in 1940-41 and in alternate years.

17. Survey of German Literature. Lectures, readings, and assigned topics in German literature from the beginnings to the present, against a background of Germany's historical development.

Through the year. Tu. Th. S., 11.

MR. JANTZ

Omitted, 1939-40. To be offered in 1940-41 and in alternate years.

182b. Advanced Reading in German Philosophy. A brief general introduction to philosophy in general. Reading chiefly of modern German philosophers. Offered each year to qualified students as a private conference course.

Half course, second semester.

MR. BOSSHARD

19. Seminar for Honor Students.

MR. BOSSHARD AND MR. JANTZ

COMPARATIVE LITERATURE

142. European Classics in Translation. A seminar course of limited enrollment open to qualified upper classmen with the consent of the instructor. A few works are studied carefully and in their entirety. They include Dante's *Divine Comedy*, Montaigne's *Essays* (large selection), Cervantes *Don Quixote*, Moliere's *Comedies*, and Goethe's *Faust*. This course fulfills the requirement in art, music and literature. It is not accepted toward the fulfillment of the requirement in foreign language.

Through the year. W., evenings, 8-10, extra conference hour to be arranged. MR. JANTZ

Omitted, 1939-40. To be offered in 1940-41 and in alternate years.

DEPARTMENT OF HISTORY AND INTERNATIONAL RELATIONS

PROFESSOR BLAKESLEE, PROFESSOR D. E. LEE,* PROFESSOR
JORDAN, ASSISTANT PROFESSOR G. A. LEE

UNDERGRADUATE WORK

The aim of the department in its undergraduate work is to give in its several courses a broad knowledge of the more significant aspects of the growth of the leading countries of the world. This includes the study not only of the important facts, but more especially of the processes of development in government, diplomacy, society, business, religion, science, and education.

History 11, primarily for freshmen, is open to members of all classes and is prerequisite for all other courses taken by those majoring in this department. Students who wish merely to fulfill the college requirement in "division B" or those majoring in allied fields who wish to take one or more courses in this department to satisfy their "major" requirements, may, *after the freshman year*, elect any other course whose number begins with (1) without having previously taken History 11. Students who have taken one course in the department and who wish to elect a second course whose number begins with (2) as part of a major in a related department, may do so with the consent of the instructor.

GRADUATE WORK

The distinctive feature of the graduate work is the emphasis it places upon the various aspects of international relations. Without neglecting investigation in the economic, political, and social life of preceding centuries, it stresses the study of the problems and the difficulties constantly arising in the international relations and diplomacy of the family of states. The field includes not only the United States and the nations of Europe, but also the newer and rapidly developing states of Asia, Latin America, and Africa.

*Absent on leave, second semester, 1939-40.

THE DOCTORATE

The various courses offered in the department are so arranged, in cycles of two or three years, that students working for their doctorate will be enabled to secure a full program each year.

A feature of the method of instruction in the department is the frequent informal conferences between instructor and student, and the seminar method in many of the courses.

COURSES IN RELATED DEPARTMENTS

The following courses in related departments may advantageously be taken to supplement major work in the department of history and international relations: geography of North America; political geography; geographic aspects of United States foreign trade; general principles of human geography; geography of Europe; geography of Caribbean America; geography of South America; economic history; international economic policies.

GOVERNMENT AND POLITICAL SCIENCE

The following courses, given in the department of history and international relations, are frequently listed under a separate department of government and political science.

- History 12. European and American Governments.
- History 18. A Survey of International Relations.
- History 231. International Law.
- History 205. History of Political Thought.
- History 30. Problems in International Relations.
- History 33. Foreign Relations of the United States.
- History 313. Constitutional History of the United States.

COURSES IN
HISTORY AND INTERNATIONAL RELATIONS

1. PRIMARILY FOR UNDERGRADUATES

11. Introduction to the History of Europe. The course covers the period from the fall of Rome to the present time, and serves as a general introduction to further historical study.

Open to freshmen. See departmental announcement above.

Through the year. Tu. Th. S., 10. MR. D. E. LEE, first semester
MR. JORDAN, second semester

12. European and American Governments. The first semester will give a description of the leading governmental systems of Europe; the second will deal with the government and politics of the United States.

Through the year. A divisible course. Tu. Th. S., 11.

Omitted, 1939-40. To be offered, 1940-41.

MR. D. E. LEE AND MR. G. A. LEE

15. History of England. A general course forming a background for American history and an introduction to an understanding of Britain's place in the present world. Lectures, textbook, collateral reading and quizzes.

Through the year. M. W. F., 10.

MR. JORDAN

To be omitted, 1940-41.

17. American History Since 1783. After a brief survey of the American Revolution, the course will treat carefully the period since 1783. Divisible only in special cases with the approval of the department.

Through the year. Tu. Th. S., 9.

MR. G. A. LEE

18. A Survey of International Relations. A general survey of the whole field of international relations which will furnish a foundation for further and more specialized work.

Through the year. M. W. F., 9.

MR. BLAKESLEE

Omitted, 1939-40. To be offered, 1940-41.

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

20a. Europe Since 1848. The internal and external development of the major European nations with special emphasis on the period from 1870 to the present. History 15 in addition to History 11 desirable as a prerequisite.

Half course, first semester. Tu. Th. S., 11.

MR. D. E. LEE

To be omitted, 1940-41.

22. The Pacific and the Far East. The course deals especially with China, Japan, Russia in Asia, the islands of the Pacific, and the Far Eastern policies of the United States.

Through the year. M. W. F., 10.

MR. BLAKESLEE

231. International Law. A general course adapted for advanced students who will do a large amount of outside reading.

Through the year. M. W. F., 9.

MR. BLAKESLEE

238b. The Great Powers in the Mediterranean. A consideration, by lectures and reports, of the Mediterranean Sea area as an important focus of great-power politics from before the World War to the present. Particular attention will be paid to Great Britain's policy and the rise of successive threats to her position.

Half course, second semester. W., 3-5, and a third hour to be arranged. MR. D. E. LEE AND MR. JORDAN

Omitted, 1939-40.

24b. Modern France. The course, beginning with the period of the Renaissance, surveys with greater detail than is possible in History 11 the history of France to 1815.

Half course, second semester. Tu., 3-5 and a third hour to be arranged. MR. D. E. LEE

Omitted, 1939-40.

25a. Recent History of the British Empire. A consideration of the nature and problems of the Empire, mainly in the twentieth century.

Half course, first semester. W., 3-5 and a third hour to be arranged. MR. JORDAN

Omitted, 1939-40.

25b. British India. A survey of European rivalry in India, the work of the East India Company, the development of administration by the crown, and recent developments toward self-government.

Half course, second semester. W., 3-5 and a third hour to be arranged. MR. JORDAN

Omitted, 1939-40.

26. England Since 1760. A general course, stressing the political, economic and social development of the modern commonwealth.

Through the year. M. W. F., 9.

MR. JORDAN

Omitted, 1939-40.

27b. Conflicts of Modern Political Thought. A survey beginning with the French Revolution and stressing ideas of present interest.

Half course, second semester. W., 2-4; F., 2-3. MR. JORDAN

Omitted, 1939-40.

28. History of the British Empire. In the second semester the course will deal with developments and problems since 1870.

Through the year. M. W. F., 11.

MR. JORDAN

Omitted, 1939-40.

29b. Russia. The aim of this course is to present Russian internal development from the origin of the Kievan state to the present time with special emphasis on the revolution of 1917 and the Soviet régime since that date.

Half course, second semester. Tu. Th. S., 11. Mr. D. E. LEE
Omitted, 1939-40.

201. Social and Intellectual History of the United States. The evolution of American life from the Revolution to the present day, with emphasis upon the social customs, economic influences, racial contributions, religious beliefs, and humanitarian movements.

Through the year. Tu. Th. S., 10. Mr. G. A. LEE
To be omitted, 1940-41.

205. History of Political Thought. A historical course, in which the development of thought is stressed rather than the theories of individual writers.

Through the year. M. W. F., 11. Mr. JORDAN

213. Constitutional History of the United States. The Constitution is treated as a growing organism, responsive to the changing political, social and economic conditions of the country.

Through the year. Tu. Th. S., 10. Mr. G. A. LEE
Omitted, 1939-40. To be offered, 1940-41.

242a. The United States in the Twentieth Century. A synthesis of the political, social, and economic forces in the development of the United States from Roosevelt to Roosevelt.

Half course, first semester. Tu., 2-5, third hour to be arranged.
Omitted, 1939-40. To be offered, 1940-41. Mr. G. A. LEE

3. PRIMARILY FOR GRADUATE STUDENTS

30. Problems in International Relations. An intensive study of present outstanding problems, especially those which involve the policies, interests, and obligations of the United States.

Two hours, through the year. M., 3-5. Mr. BLAKESLEE
Omitted, 1939-40.

32. Recent International Relations of the United States. A lecture and research course covering the period from the Civil War to the present.

Two hours, through the year. Mr. BLAKESLEE
Omitted, 1939-40.

33. Foreign Relations of the United States. The history of the foreign relations of the United States from 1783 to the present.
Two hours, through the year. M., 3-5. MR. BLAKESLEE

34a. American Colonial History to 1763. The European background of American history and the political and social development in the colonies.

Two hours, first semester. Tu., 3-5.

MR. G. A. LEE

Omitted, 1939-40.

320a. England Since 1865. Students will be expected to read widely and to undertake a small amount of individual research.

Two hours, first semester. W., 3-5.

MR. JORDAN

35a. Tudor and Stuart England. A survey, for mature students, of the period from 1485 to 1688.

Two hours, first semester. W., 3-5.

MR. JORDAN

Omitted, 1939-40.

322a. Selected Topics in Recent British History. Aspects of the period since 1815 will be dealt with but the ground covered will change somewhat from year to year.

Two hours, first semester. W., 3-5.

MR. JORDAN

Omitted, 1939-40.

331. European International Relations Since 1870. A study of the diplomatic history of Europe from the Congress of Berlin to the Locarno agreements, 1925.

Two hours, through the year. Th., 2-4.

MR. D. E. LEE

Omitted, 1939-40. To be offered, 1940-41.

333. Topics in the Recent and Contemporary History of Continental Europe. The course will consist chiefly of research by the individual student in problems confronting the European countries at the present day.

Two hours, through the year. Th., 3-5.

MR. D. E. LEE

Omitted, 1939-40.

38a. Post-War Europe. The emphasis in this course is upon international affairs affecting the European powers since 1918, although some attention is paid to internal developments in the more important states.

Two hours, first semester. Th., 3-5.

MR. D. E. LEE

To be omitted, 1940-41.

342. The Influence of Westward Expansion in American Development. The westward movement from colonial times to the passing of the frontier will be discussed in detail.

Two hours, through the year. Tu., 3-5.

MR. G. A. LEE

To be omitted, 1940-41.

351. Research in the International Relations of the United States.

MR. BLAKESLEE

352. Research in the International Relations of the Pacific and the Far East.

MR. BLAKESLEE

353. Research in the History and International Relations of the British Empire.

MR. JORDAN

354. Research in the History and International Relations of Continental Europe.

MR. D. E. LEE

355. Research in the History of the United States.

MR. G. A. LEE

37. Research in the Diplomacy of the Far East Since 1900.

Two hours, through the year. M., 3-5.

MR. BLAKESLEE

36. Seminar. The students in the department meet each week to study particular topics in international relations and to consider the results of investigation carried on in the department.

Weekly, through the year. Tu., 7:45.

MESSRS. BLAKESLEE, D. E. LEE, JORDAN, AND G. A. LEE

MATHEMATICS

See announcement of the Department of Physics and Mathematics.

DEPARTMENT OF PHYSICS AND MATHEMATICS*

PROFESSOR GODDARD,† ASSOCIATE PROFESSOR MELVILLE,
ASSOCIATE PROFESSOR ROOPE, ASSISTANT PROFESSOR MARTIN

UNDERGRADUATE WORK IN PHYSICS

The aim of the undergraduate work in physics is to give to students a knowledge of the principles which are at the basis of modern

*Since September, 1933, the Department of Mathematics has been combined with the Department of Physics, with Professor Goddard as chairman of the combined departments.

†Absent on leave, 1939-40.

applications of science to human affairs. It is deemed equally desirable to impart a knowledge of the methods and results of modern physics which are influencing so profoundly our fundamental concepts and without which no one may hope to be considered liberally educated. The department aims also to fit students with professional preparations for chemistry, meteorology and allied sciences, medicine, engineering and science teaching, as well as for professional or graduate work in physics.

Students should note that Physics 11 is a prerequisite for all other courses in physics here listed; also, that courses numbered 15 or higher require the use of "calculus" and should not be elected without consulting the instructor in charge.

Courses 15, 16 and 17 each require a limited amount of laboratory work to be done at the discretion of the instructor and at such a time that it will not interfere with regularly scheduled courses.

GRADUATE WORK IN PHYSICS

The department has, in recent years, accepted candidates in physics only for the degrees of Doctor of Philosophy and of Master of Arts. Emphasis is placed both upon mathematical physics and upon the completion of an original research problem for which work the laboratories and library provide adequate facilities.

UNDERGRADUATE WORK IN MATHEMATICS

Courses in mathematics are offered at the undergraduate level only. Freshman mathematics (algebra, trigonometry and elementary analytical geometry) is offered in two courses to which students are assigned on the basis of "placement examinations." A second year course including analytical geometry and the calculus is offered to those who complete either of the freshman courses. In addition, Mr. Melville offers such advanced courses, or courses in applied mathematics, as may be required from time to time, depending on the interests of the students.

COURSES IN PHYSICS

1. PRIMARILY FOR UNDERGRADUATES

11. General Physics. During the first semester, the work covers mechanics and heat, and during the second semester, electricity and magnetism, wave motion, sound, and light. The textbook

is Foley's *College Physics*. Mathematics 10 or 11 is advised, but not required. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 10; W., 2.

MR. ROOPE

13. History of Physics. A conference course on the history of the various branches of Physics. This course is not accepted as part of a *major* or a *minor*. Prerequisite, Physics 11.

Through the year.

Omitted, 1939-40.

14. Mechanical, Optical and Electrical Measurements. During the first semester this course consists of electrical measurements with advanced problems in optics. In the second semester the course consists of laboratory exercises in dynamics, followed by advanced problems in heat.

Through the year. Tu. W. F., 2.

MR. MARTIN

15. Thermodynamics. This course includes a study of the thermal properties of the solid, liquid, and gaseous states, the laws of thermodynamics, and applications to a wide range of phenomena. Prerequisite, Physics 11.

Through the year. M. W. F., 9.

MR. ROOPE

16. Optics. Geometrical and physical optics including work in practical photography. Prerequisite, Physics 11.

Through the year. M. W. F., 9.

MR. ROOPE

Omitted, 1939-40.

17. Introduction to Modern Physics. An elementary treatment of physical experiment and theory of the past fifty years including the more recent atomic and nuclear developments.

Through the year. M. W. F., 10.

MR. MARTIN

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

22. Theoretical Mechanics. This course is a systematic presentation of theory together with the solution of problems. The textbook is Crew and Smith, *Mechanics for Students of Physics and Engineering*. Mathematics 12 must be taken before or with this course.

Through the year. M. W. F., 8.

MR. ROOPE

23. Theory of Electricity and Magnetism. This course treats the general principles of dynamo and motor design, high-

frequency phenomena and the electron theory of matter. The prerequisites are Physics 11 and Mathematics 10 or 11; Mathematics 12 must be taken before or with this course. A knowledge of differential equations is desirable. The textbook is Starling's *Electricity and Magnetism*.

Through the year. M. W. F., 8.

MR. ROOPE

Omitted, 1939-40.

27. Preliminary Mathematical Physics. This course involves reading on specially assigned topics. The object is to provide a comprehensive background for advanced work in physics. Open to undergraduate majors in physics.

Through the year.

MR. ROOPE

Omitted, 1939-40.

28a. Laboratory Methods. A course in the methods of preparing and presenting the results of experiments and the preparation by each student of a report on at least one assigned topic that involves reference tables and literature. Prerequisite, Physics 11.

Half course, first semester. M. W. F., 10.

MR. ROOPE

Omitted, 1939-40.

216. Seminar. Open to all physics students. Occasional meetings. No credit.

THE STAFF OF THE DEPARTMENT

3. PRIMARILY FOR GRADUATE STUDENTS

34. Advanced Mechanics. This course includes vector analysis, the equations of Lagrange and Hamilton, the methods of Hamilton and Jacoby, and Newtonian and logarithmic potential functions together with a discussion of applications to various branches of physics.

Three hours, through the year. M. W. F., 11.

Omitted, 1939-40.

35. Advanced Electricity and Magnetism. The theory of electricity and magnetism is treated from the classical and the modern viewpoints.

Three hours, through the year. Tu. Th. S., 11.

MR. ROOPE

Omitted, 1939-40.

36. The Partial Differential Equations of Mathematical Physics. Included in this course are vector analysis, the methods of Cauchy and Fourier, developments in series, the methods of

Green and Riemann-Volterra, normal functions, and integral equations.

Two hours, through the year.

MR. GODDARD

Omitted, 1939-40.

37. Research Work in Physics. Research work on an original problem in physics. Required of candidates for the master's degree.

MR. ROOPE

311. Methods of Mathematical Physics.

Three hours, through the year.

MR. GODDARD

Omitted, 1939-40.

312. Theory of Elasticity and Dynamics of Fluids.

Three hours, through the year.

MR. GODDARD

Omitted, 1939-40.

313. X-Rays.

Three hours, through the year.

MR. ROOPE

Omitted, 1939-40.

314. Tensor Calculus with Applications in Physics.

Three hours, through the year. Tu. Th. S., 10.

MR. ROOPE

Omitted, 1939-40.

315. Research Work in Physics. Research work on an original problem in physics. Required of candidates for the degree of Doctor of Philosophy.

Omitted, 1939-40.

316. Seminar and Research Conference. A seminar on modern theories of physics, together with conferences on current literature and on the researches in progress.

Once a week, through the year. W., 4-6.

Omitted, 1939-40.

STAFF OF THE DEPARTMENT

317. Selected Topics in Modern Physics.

Three hours, through the year. F., 2-5.

Omitted, 1939-40.

318. Relativity and Wave Mechanics.

Three hours, through the year. M., 2-5.

MR. ROOPE

Omitted, 1939-40.

COURSES IN MATHEMATICS

NOTE: *Only freshmen or sophomores may elect Mathematics 10 or 11 for full credit. Juniors or seniors who complete the work of either of these courses will receive credit for two-thirds of a course.*

10. Freshman Mathematics. For students whose preparation is not adequate for course 11. Algebra, trigonometry and graphics.

Open to freshmen.

Through the year. Tu. Th. S., 8.

MR. MELVILLE

11. Freshman Mathematics. For students whose records in "placement examinations" create an expectation that they will be able to proceed more rapidly than those assigned to course 10. Algebra, trigonometry and elementary analytical geometry.

Open to freshmen.

Through the year. Tu. Th. S., 8.

MR. MARTIN

12. Second Year Course. Analytical Geometry, Differential and Integral Calculus.

Through the year. Tu. Th. S., 11.

MR. MELVILLE

13. Calculus and Differential Equations.

Through the year. M. W. F., 11.

MR. MELVILLE

14. Selected Topics from Analysis and Geometry. In 1939-40, a study of Hardy, "Pure Mathematics."

Through the year. Tu. Th. S., 9.

MR. MELVILLE

18a. Advanced Geometry. Text, Johnson, "Modern Geometry."

Half course, first semester. T. Th. S., 9.

MR. MELVILLE

DEPARTMENT OF PSYCHOLOGY

PROFESSOR VERNON JONES, PROFESSOR CATTELL,
ASSISTANT PROFESSOR BROWN, ASSISTANT PROFESSOR SUPER

DR. SAUL ROSENZWEIG, *Special Lecturer*
With the coöperation of PROFESSOR HOAGLAND
of the Department of Biology

LABORATORY FACILITIES

The psychological laboratories at Clark University were established by G. Stanley Hall immediately after the founding of the university, and constituted the first adequately appointed labora-

tories in this field in America. These laboratories, under the direction of Edmund C. Sanford and John W. Baird, increased rapidly in size and in research possibilities. The university provides an annual appropriation sufficient for the purchase and manufacture of any apparatus that may be required for general and special investigations.

UNDERGRADUATE WORK

The aim of the department in its undergraduate work is to give as broad a knowledge as possible of the more significant aspects of psychology. This includes courses leading to graduate work in psychology and also courses involving the application of psychological principles to education.

Students majoring in the department will be divided into three groups: first, those who plan to do graduate work in psychology, second, those interested in general psychology but not contemplating graduate work at Clark University, and third, those interested in educational psychology and education. The requirements for each of these classes are somewhat different and all students who are interested should apply to the department for detailed requirements.

GRADUATE WORK

Courses. Students who come well prepared for beginning graduate work, i.e., with adequate training in elementary psychology supplemented by satisfactory training in allied fields, may expect to devote nearly all their time during the first year to advanced course-work. Such students will need to devote about half their time to course-work during their second year, and may expect to give the major part of their time to research after the second year.

Degrees. The general university requirements for the master's degree appear elsewhere in this catalogue. The department will supplement these requirements in individual cases where it seems wise to do so. Students planning to become candidates for the master's degree should confer with members of the staff as early as possible in order that a suitable thesis subject may be determined.

Only graduate students with superior records are encouraged to become candidates for the doctor's degree. Such candidates will be required to obtain exact information concerning all the significant methods of psychological research and to demonstrate actual ability to use one or more of these methods in an original research which will usually extend over a period of at least two years.

COURSES IN PSYCHOLOGY

1. PRIMARILY FOR UNDERGRADUATES

11. General Psychology. A general introduction to the study of human behavior from the genetic and experimental points of view. Prerequisite sophomore standing.

Through the year. M. W. F., 10.

MR. CATTELL AND MR. BROWN

12a. Psychology of Vocational and Educational Adjustment. The applications of psychology to the problems of learning and vocational choice.

Half course, first semester. M. W. F., 9.

MR. SUPER

180. Introduction to Philosophy. A general introduction to the problems and systems of philosophy.

Through the year. M. W. F., 9.

MR. BROWN

Given in the first semester only, 1939-40.

2. FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES

200a. Social Psychology. A survey of the experimental investigations of group structure and group behavior. Some of the contributions of anthropology to problems in this field will be reviewed. The adjustments between individuals and society also will receive attention.

Half course, first semester. Th., 12-1; F., 4-6. MR. CATTELL

202b (Education 202b). Individual Differences and Exceptional Children. The course will include a study of the bright, the dull, the psychoneurotic, and the delinquent child.

Two hours, second semester. F., 4-6.

MR. JONES

206b (Education 206b). Psychology of Adolescence. A study of adolescent development, emphasizing the interaction of the individual, the group, and the culture.

Two hours, second semester. Th., 4-6.

MR. SUPER

207b. Social and Cultural Factors in Genetic Psychology. This course concentrates on the rôle of social influences and the cultural background in shaping the personality and determining the developmental conflicts of the individual. It also investigates

social psychological factors through analysis of the mutual interaction of society with the leader, the criminal, and the genius.

Two hours, second semester.

MR. CATTELL

New course. To be offered, 1940-41 and in alternate years.

208b. Clinical Psychology. A review of the theory and practice of psychotherapy. The work of various schools and the validity of various methods will be discussed through case studies, mainly drawn from child guidance practice.

Two hours, second semester.

MR. CATTELL

New course. To be offered, 1940-41 and in alternate years.

212. Experimental Psychology. A general survey of experimental psychology involving detailed experience with laboratory apparatus. Six hours in the laboratory and one lecture weekly.

Through the year. M., 2-3.

MR. BROWN

22b. Dynamics of Abnormal Behavior. A survey of the chief symptoms of abnormal behavior and a consideration of the underlying factors which are responsible for such deviations. Emphasis will be placed on the dynamics which are common to both normal and abnormal activity. For premedical students and advanced students in Psychology.

Half course, second semester. M., 11-12; F., 11-1.

MR. ROSENZWEIG

Biology 200. General Physiology.

MR. HOAGLAND

3. PRIMARILY FOR GRADUATE STUDENTS

302 (Education 302). Genetic Study of Normal and Abnormal Personality. Personality will be investigated by clinical, experimental, and biological approaches. A survey of the influences of nature and nurture in determining personality will be included.

Two hours, through the year. W., 4-6.

MR. CATTELL

303 (Education 303). Guidance of Adolescents. The basic assumptions of guidance and methods and techniques will be studied during the first semester. The second semester will be devoted largely to case studies and field work.

Two hours, through the year. S., 9-11.

MR. SUPER

307b. The Learning Process. A detailed study of the literature of experiments on learning.

Three hours, second semester.

MR. BROWN

To be offered in the first semester, 1940-41 and in alternate years.

310b (Education 310b). Psychology of Character Development. A survey and critical evaluation of the experimental evidence in the field of character development.

Two hours, second semester. S., 11-1.

MR. JONES

313a (Education 313a). Statistical Methods. The purpose of the course will be primarily to give practice in the statistical methods most valuable for psychological experimentation.

Two hours, first semester. Th., 4-6.

MR. JONES

314 (Education 314). Advanced Educational Psychology: Tests and Measurements. A study of various measures of aptitude, achievement, interest, and attitude. Some practice in the use and interpretation of these methods will be provided. During the second semester attention will be given to test construction and validation.

Two hours, through the year.

MR. SUPER, first semester

MR. JONES, second semester

317b. Factor Analysis. An inquiry will be made, by practical methods and the use of research data, into various methods of factor analysis as they throw light on abilities and personality patterns. Other recent statistical tools, notably the analysis of variance, will also be discussed.

Two hours, second semester. Tu., 2-4.

MR. CATTELL

To be omitted, 1940-41. Offered in alternate years.

320a. Advanced Experimental Psychology: Sensory Processes. A study of the functions of the sense organs.

Three hours, first semester. Tu. Th. S., 9.

MR. BROWN

To be omitted, 1940-41. Offered in alternate years.

340. Departmental Seminar.

THE STAFF AND VISITING SPEAKERS

350. Research in Psychology.

THE STAFF OF THE DEPARTMENT

DEPARTMENT OF ROMANCE LANGUAGES

PROFESSOR CHURCHMAN, ASSOCIATE PROFESSOR DOUGHERTY

Undergraduates should consider carefully the statement of the general requirement in foreign language, for candidates for the A.B. degree.

The French courses are planned with the following ends in view:

French 11 and 12 are the basic language courses. To the student who has completed 12, courses 13 and 14 offer respectively an option between a continuance of general language work and a course limited to translation and literature; both may be taken. Those who wish to continue the study of literature after taking 14 will take course 114, followed by the courses in which the literature is studied intensively; those interested primarily in the study of the language will take 13 and then 17. Course 17 is especially valuable for prospective teachers of French, for whom Education 204b, The Teaching of Modern Languages, may also be of interest.

A major in romance languages may be made up from any reasonable sequence of four or five courses at or above the level of 13 or 14 with two or three approved courses in another foreign language or literature, in English or in history. French 11 and 12 and Spanish 11 may not be counted for a major without the consent of the department.

COURSES IN FRENCH

1. PRIMARILY FOR UNDERGRADUATES

11. The Reading Approach to French—For Beginners. Incidental aural work, elements of pronunciation. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 11.

MR. CHURCHMAN

To be omitted, 1940–41. Offered in alternate years.

12. Intermediate. Extensive reading, exercises in composition and pronunciation. Prerequisites, French 11 or two years of high school French. Indivisible course.

Open to freshmen.

Through the year. Tu. Th. S., 10.

MR. DOUGHERTY

NOTE: Courses 13 and 14 are of approximately equal difficulty. Either may be taken upon the satisfactory completion of French 12 or three years of high school French, but admission of freshmen to course 13 is restricted to specially qualified students.

13. Composition and Pronunciation. The objective of this course is the correct writing, pronunciation, and aural comprehension of present-day French.

Open to freshmen, subject to the approval of the instructor.

Through the year. Tu. Th. S., 8.

MR. DOUGHERTY

Omitted, 1939–40.

14. Readings in French Literature. The aim of French 14 is two-fold: the attainment of facile reading ability and a general view of modern French literature based upon a detailed study of ten works of representative authors.

Open to freshmen.

Through the year. Tu. Th. S., 9.

MR. DOUGHERTY

113. Introduction to French Civilization. A selective survey of the history, art, literature, and music of France, from the Middle Ages to the present time, given in coöperation with the Worcester Art Museum. Weekly two-hour meetings at the museum are divided between lectures and the showing and discussing of lantern slides and photographs, and, occasionally, the playing of phonograph records. A third hour weekly at the College is arranged for undergraduates. Ordinarily, it is expected that students will have completed French 14 before taking this course, inasmuch as a reading knowledge of the language is highly desirable.

French 113 may be counted in fulfillment of the general requirement in art, music and literature, but not in fulfillment of the requirement in foreign language.

Through the year. Tu., 4:15; W., 12.

MR. DOUGHERTY

Omitted, 1939-40. Offered in alternate years.

114. General View of French Literature. A unified and fairly complete account of French literature from the beginning to the present time. Prerequisite, course 14.

Through the year. Tu. S., 12; W., 2.

MR. CHURCHMAN

NOTE: Not more than two of the courses in literature listed below are offered each year. They are restricted to qualified students and are conducted as reading seminars, devoted to wide reading, partly prescribed, and partly along lines suggested by the student's preference, but under guidance by the instructor. Weekly conferences. A short thesis is required in each semester. Before undertaking any of these courses it is ordinarily assumed that the student will have completed French 114 with a grade not lower than B and will have given evidence of ability to do advanced work by himself.

15. Literature of the Seventeenth Century.

MR. DOUGHERTY

115. Literature of the Middle Ages.

MR. DOUGHERTY

16. Literature of the Nineteenth Century.

MR. CHURCHMAN

116. Literature of the Sixteenth Century.

MR. CHURCHMAN

19. Literature of the Eighteenth Century.

MR. DOUGHERTY

119. Contemporary Literature.

MR. CHURCHMAN

17. Phonetics, Advanced Composition and Oral Work.

Intensive linguistic work for intending teachers and other advanced students. Prerequisite, course 13.

Through the year. M., 2; W. F., 12.

MR. CHURCHMAN

To be omitted, 1940-41. Offered in alternate years.

Education 204b. The Teaching of Modern Languages.

For description see announcement of "Department of Education."

Half course, second semester. Tu., 12; W., 4-6.

Omitted, 1939-40. Offered in alternate years. MR. CHURCHMAN

COURSES IN SPANISH

1. PRIMARILY FOR UNDERGRADUATES

11. Elementary. Carefully graded reading; exercises in grammar and pronunciation. Attention is paid to the artistic and cultural achievements of Spain. Indivisible course.

Open to freshmen.

Through the year. M. W. F., 11.

MR. DOUGHERTY

To be omitted, 1940-41. Offered in alternate years.

12. Intermediate. Combination of readings from Spanish literature with more advanced study of the language, oral and written. Prerequisite, course 11 or two years of high school Spanish.

Open to freshmen.

Through the year. Tu. Th. S., 10.

MR. CHURCHMAN

Omitted, 1939-40. Offered in alternate years.

Degrees Conferred

In the Calendar Year 1939

BACHELOR OF ARTS

James Saul Bickman	Walter John Kos
Leo Joseph Biron	William James Langenheim
Archie Andrew Brauer	Albert Joseph LaPrade
Robert Irving Brigham	John Robert Longo
George Joseph Carroll, Jr.	John Ross Mackay
Frederick Jackson Churchill	(With High Honor in general course)
Carroll Durgin Colby	Henry Aram Malkasian
(With Honor in general course and honors in Economics and Sociology)	(With honors in History and International Relations)
William Walter Craig	Adolph William Malkoski
Harry Daum	Douglas Wyman Marden
George Edwin Deering, Jr.	Paul Felix Martin
Joseph Francis Diliberto	Richard Blazo Martin
Burton Epstein	Robert Francis McComas
Carl Rhenhold Erikson	James Alfred McInerny
(With Honor in general course and honors in Chemistry)	Frederick Stevens Merriam
Theodore Edward Feldman	Henry Samuel Miliefsky
Stanley Morton Friedman	Wensel William Moberg
(With honors in Economics and Sociology)	Bernard Morris
Joseph Anthony Gadowski	(With honors in History and International Relations)
Ralph Roger Goodwin	Benjamin Moulton
(With Honor in general course)	Paul Pheneas Norman
Bert Guterman	Carl William Olson, Jr.
(With Honor in general course)	Walter Albert Olson
Albert Haddad	Henry Barnes Perry
Archibald Hanna, Jr.	Warren Stanley Peterson
(With honors in English)	Allen Shedd Powell
Raymond Richard Haringa	(With honors in Chemistry)
(With honors in Biology)	George Hugo Powers
Frank Clifton Herrmann	Asari Rajala
William Charles Herrmann	Eugene Herbert Reichenthal
(With High Honor in general course)	Clarence Joseph Rosemark
Charles Albert Higgins, Jr.	Arthur John Ryan
Fred Hiland Howard	Julian Schultz
(With Honor in general course and honors in Biology)	Max Andrew Shapiro
Peter Paul Jonitis	Nathan Shapiro
Harold John Kenneway, Jr.	(With Honor in general course)
Roland Charles Kimball	Edward Arvey Smith
	Frederic Vosmus Steeves
	Roy Carl Sundeen
	Robert Clark Taylor

BACHELOR OF EDUCATION

Helen Theresa Buckley	Winifred Louise O'Grady
Helen Margaret Cunningham	Helga Elvira Peterson
Della Evelyn Galvin	Elizabeth Agnes Rourke
Mentana Gatti	Madelin Alma Wilmarth
Honora Agnes Moran	

MASTER OF ARTS

Leo Alpert	Paul Marvin Goldberg
Samuel Leonard Arnold	Norman Earl Greenawalt
Bedros Baharian	Marcel Heimo
Sidney Phillips Bailey	Shirley Miriam Heller
Edward Lloyd Barber	William Irwin
Ira Bertram Berman	Bernard Kopelman
Howard Olsen Bingley	Louis Arthur Krug
George Eric Booth, Jr.	Elwood Samuel Leffel
Robert Ernest Brouillard	Milton Eugene Madorsky
Arthur Lowe Burt	Donald Newton Millen
Oscar Paul Cohen	Wilberta Ethel Newberry
Hubert Morton Cole, Jr.	Clare Scott
Virginia Lee Derr	Benjamin Shwadran
Mary Elizabeth Fontaine	William Lang Stirling
Catherine Elizabeth Ford	Arthur Stanley Wilder
Joseph Nathaniel Goff	Harper Hubert Wilson

MASTER OF ARTS IN EDUCATION

Theodore Henry Berard	Mary Frances King
Elinor Brown	Donald Henry Letendre
Ethel Sandell Burton	James William McKenna
Aram Damarjian	Jorma Iltanen Niven
Irving Peter Erickson	Joseph Frederick Ortman
Rocheleau Zephirin Granger, Jr.	Eric Arthur Roy

DOCTOR OF PHILOSOPHY

Albert Sigfrid Carlson	Gerald James Matchett
Edwin Broughton Coddington	Shannon Boyd Bailey McCune
James Irving Culbert	Forrest Carlisle Pogue, Jr.
Zareh Hadidian	Paul Allman Siple
Walter Grant Inman	Walter C. Wilson

HONORARY DEGREES

Edmund Smith Conklin	Doctor of Science
Samuel Hood Dolbear	Master of Science
Ralph Barton Perry	Doctor of Humane Letters
William Lyon Phelps	Doctor of Laws
Cornelia Otis Skinner	Doctor of Fine Arts

SUMMARY

Degrees in Course		Honorary Degrees	
Bachelor of Arts	63	Master of Science	1
Bachelor of Education	9	Doctor of Science	1
Master of Arts	32	Doctor of Fine Arts	1
Master of Arts in Education	12	Doctor of Laws	1
Doctor of Philosophy	10	Doctor of Humane Letters	1

Register

Names of students are grouped in four lists. I, graduate students, college students, and special students in attendance during the regular academic year; II, those who attended the 1939 Summer School; III, extension students; IV, candidates for the degree of Bachelor of Education.

I. GRADUATE STUDENTS, COLLEGE STUDENTS AND SPECIAL STUDENTS IN ATTENDANCE DURING THE REGULAR ACADEMIC YEAR

Explanation: S—scholar; F—fellow; HF—honorary fellow; TF—teaching fellow; numerals 40, 41, 42, and 43 are used to classify undergraduates; g—students formally admitted to the graduate division; s—special students; Al—ancient languages; B—biology; Ch—chemistry; Ec—economics and sociology; Ed—education; En—English; G—geography; Gl—geology; Ger—German; H—history and international relations; M—mathematics; Mu—music; Ps—psychology. State omitted—Massachusetts; town omitted—Worcester; street names refer to streets unless otherwise indicated.

This list includes the names of all who have matriculated and registered. An asterisk (*) indicates that the student has withdrawn from the University prior to March 1, 1940. A dagger (†) indicates enrollment for the second semester only.

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Adams, Howard Clinton	43		581 Massasoit Rd.
Adkinson, Burton Wilbur	G F	San Diego, Calif.	166 Woodland
Ahearn, Margaret Mary	H g		35 Plantation
Albert, Myron Morton	42	Springfield	42 Freeland
Aljian, Richard D.	43	Jersey City, N. J.	Estabrook Hall
Allain, Donald	43		67 W. Boylston
Anderson, Lloyd	43		67 Cedar
Anderson, Roy Stuart	43	Agawam	Estabrook Hall
Angelini, Hugo Dominic	42	Clinton	
Anish, Vity William	43		5 Moen
Appenzeller, Robert George	43		74 W. Boylston
Argyropais, Lemonis John	G g	Greece	18 Charlton
Augelli, John Patsy	43	Waterbury, Conn.	Estabrook Hall
Bagdikian, Ben Haig	41		29 Monroe Ave.
Balcanoff, Eugene Jacob	40		362 Coburn Ave.
Balcom, Raymond Douglas	40	East Douglas	
Balfe, William Sewell	43		466 Pleasant
Ballou, Marjorie Holbrook	Ps g		81 Green Hill Parkway
Barberet, Gene Joseph	41	Oakville, Conn.	Estabrook Hall
Barriere, John Ernest	42		37 Dayton
Bartimo, Frank Antonio	41	Leominster	Estabrook Hall
Bassett, Linton Junior	41	Orange	2 Woodbine
Bayer, Sanford Alan	43	New York, N. Y.	6 Charlotte
†Beal, Alice Colburn	H g		66 Cedar
Beaton, Stephen, Jr.	Ed g	Millbury	
Becker, Edward Gerard	40		17 Bellingham Rd.
Beckford, Lewis Harrower	40		11 Dunbar
Benoit, Merrill Philip	40	Southbridge	
*Berg, Carl Gustaf	G g		843 Millbury
†Bergstresser, Robert S.	G g	Minersville, Pa.	4 Mt. Pleasant
*Berlin, Sumner Abraham	40	Roxbury	89 Richmond Ave.
Bernier, Edward Charles	42	Auburn	
*Bernstein, Benjamin	40		28 William
Betinis, William John	B g	Marlboro	166 Woodland
Birrer, Ivan J.	Ps g	Atwood, Kans.	166 Woodland
Blanchard, Cyrus Lloyd	43	Douglas	
Bolduc, Alfred George	42	Fall River	2 Wyman
Bonofiglio, Nicholas Ralph	43		21 Branch
Boria, Thomas	43	Wilkinsonville	
Boynton, Charles Frank	41	West Boylston	
Braman, Robert Edward	42	Auburn	
Brandes, Frederick Millea	Ed g		106 Elm
Bratton, Francis Howard	Ch F	Elkton, Md.	4 Woodbine
Bredice, Albert Louis	41	Norwalk, Conn.	Estabrook Hall
Breen, James Joseph	Ed g		32 Gardner
Bresnick, Jack	42	Dorchester	112 Woodland
†Briggs, Harry Harper	43	Melrose	Estabrook Hall
Brigham, Kenneth Hastings	43		17 Poniken Rd.
Brooks, Gordon Hamer	42	Cherry Valley	
Brotherton, William Richard	43		18 Hitchcock Rd.
Brouillard, Robert Ernest	Ch F	Northbridge	
Bullock, Robert Woods	41		32 Downing
Burbank, John Proctor	42		13 Beaconsfield Rd.
Burgess, Phillip Bradford	43	Grafton	
*Burner, Richard Meredith	Ed g		6 Ripley

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Burnham, Catharine Arnette	Ed g	Shelburne	6 King
*Burns, Frank Dickason Paul	Gl s	Winthrop	49 Institute Rd.
Burt, Arthur Lowe	G F		38 Fales
Butler, Carol Francis	41		81 Kenwood Ave.
*Butler, Philip Hoar	Ger s		81 Kenwood Ave.
Buyniski, Edward Francis	B g		914 Main
Byer, Edwin	B S	Bangor, Me.	166 Woodland
Cadorete, Leonard Ivanhoe	Ed g	Rochester, N. H.	76 Florence
Card, Robert William	Ed g	Warren	
Carini, Robert John	40	Framingham	
Carlo, James John	43, En s		5 Heardsleigh
Carlson, Ralph Ludvig	Ed g	Paxton	32 Maywood
Carofaniello, Nicholas	43		14 E. Shelby
Carpenter, Edwin Kenneth	Ps g	Ludlow	
Catani, Carl Louis	41	East Milton	Estabrook Hall
Chabot, Charles Albert, Jr.	41		1 Longfellow Rd.
Chase, Irving Edward	41	Everett	
†Chodos, Israel	H g		58 Granite
†Chodos, Judith Wolfert	Ed g		58 Granite
Church, Herman Lloyd, Jr.	41	New York, N. Y.	Estabrook Hall
Chused, Samuel Harold	43	Haverhill	Estabrook Hall
Clair, John Joseph	41		509 Grafton
Cleveland, Roger William	41	Watertown, Conn.	Estabrook Hall
Clough, Charles Irving	Ed g	Leicester	
Cohen, David Jerome	42	Malden	42 Freeland
Cohen, Harry Harris	41		86 Houghton
Cohen, Oscar Paul	Ch F	Dorchester	11 Charlotte
Colberg, Paul Vincent	43		18 Stebbins
Colby, William Gibbs	43	Branford, Conn.	Estabrook Hall
Comeau, Norman Donat	43	Spencer	
Cook, Ellsworth Barrett	B F	Springfield	166 Woodland
Coontz, Gustaf	42		4 Richards
Cossaboom, Robert Thomas	41		6 Dodge Ave.
Costrell, Edwin Solomon	H F	Bangor, Me.	166 Woodland
Cox, John Joseph	43		121 Highland
Crommett, Alfred Freeman	43		56 Granville Ave.
Curtis, Katrina Ellen	Ed g	Woodville	
Curtis, Robert Lyman	43		48 Beverly Rd.
†Dale, Jane	G g	Longmeadow	23 Chestnut
Dashiell, Samuel Curtis	G g	Dallas, Ore.	32 Wayne
†Davis, Dorothy Margaret	H g		810 Grove
Day, Richard Lorey	43	South Portland, Me.	Estabrook Hall
de Jonge, Coen Kiewiet	43	Lavaux, Switzerland	Estabrook Hall
De Lollis, Emidio Anthony	41		14 Liscombe
Denardo, Pat	43	Waterbury, Conn.	Estabrook Hall
Derby, Elizabeth Mary	Ed g	Spencer	
Derry, Lawrence John	43		35 Beverly Rd.
Dillon, Helen Elizabeth	H g		20 Montague
Dolan, Lawrence Edward	40		15 Beaver
Dolan, Mary Ann	Ps F		39 Kingsbury
Donahue, Michael Aloysius	H g		161 Institute Rd.
Donelan, Mary Teresa	Ed g		10 Albert
Donohue, Philip Vincent	40		6 Lowell
Doolittle, Clifford Holman	41	Spencer	
Dranginis, Anthony Stanley	H g	Cambola, Pa.	43 Harlem
Dunbar, Allen Stanley	43	Barre	Estabrook Hall
Easton, Dexter Morgan	43	Lambertville, N. J.	Estabrook Hall
Edson, Richard Atlee	42	Gloucester	Estabrook Hall
Edwards, Robert Irwin	40		18 City View
Eldridge, James Lee	41	Leicester	
Ellis, Richard Baker	43	Oxford	
Ellison, Raymond Harold	42		54 W. Boylston Dr.
English, Van H.	G S	Greeley, Colo.	2 Wyman
Erskine, John Clark	H S	Uhrichsville, Ohio	6 Downing
Everett, Lucius Theodore	41	Jersey City, N. J.	19 Richards
Farnsworth, Albert Humphries	G S, F		31 Chesterfield Rd.
Farrar, Reginald George	42		Worcester State Hosp.
Fecteau, Albert Joseph, Jr.	42	Spencer	
Feingold, Julian Franklyn	40		38 Shirley
Feingold, Sol Norman	Ps g		38 Shirley
Feldman, Helene	Ps S	Norwichtown, Conn.	38 Shirley
Feldman, Max	41		128 Hamilton
Feuerstein, Sidney Sumner	42	Boston	8 Charlotte

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Fifield, Russell Hunt	H S		2 Woodbine
Flarsheim, Alfred	42	Boston	4 Hancock
Foley, John Breen	40		35 Beaver
Ford, Albert Woodward	43	Grafton	
Ford, Maxwell John	42	Northboro	
*Forzley, Mitchell B.	42		86 Locust Ave.
Foxhall, William Bex	40	Shrewsbury	Worcester State Hosp.
Fram, Paul	40		82 Fox
Friedman, Harvey Leonard	43	Bridgeport, Conn.	Estabrook Hall
Frieswyk, Henry	42	Whitinsville	
Gates, Jesse Arthur	42	Webster	
*Gibson, William Marvin	H s		59 Dewey
Gilrain, Marcella Maureen	Ed g		34 Baker
Glazier, Raymond Eugene	43		12 Jones
Globerson, William	43	Albany, N. Y.	Estabrook Hall
Glover, Everett Dow	41	West Millbury	
Goldberg, Abraham	41	Malden	25 Grand
*Goldenberg, Sidney	41		94 Cutler
Golinkin, Noah	H g		75 Providence
Goodwin, Ralph Roger	H S	Gardner	80 Florence
Graff, Roger Stanley	43	Woodmere, N. Y.	Estabrook Hall
Granger, Harold Joseph	Ed g	Bellingham	894 Grafton
Greenblatt, Robert Abraham	42	Dorchester	
Gregory, Paul Michael	Ec F	Troy, N. Y.	166 Woodland
Gross, Herbert Abraham	43	Norwalk, Conn.	Estabrook Hall
Guenther, Richard Alexander	40	Clinton	
Guernsey, Jackson Edwin	G F	Shavertown, Pa.	166 Woodland
Guss, Paul A. H.	42	South Norwalk, Conn.	122 Woodland
Haddad, Saad Paul	40		87 Norfolk
Haddad, William C.	Ed g		18 Wall
Hail, Merle Guy	42, Ph s		179 Lincoln
Hallowell, Philip Malcolm	Ed g	Whitinsville	
*Halpin, Mary Charlotte	Ed g		326 Cambridge
Hamm, Elmer Vaughan	40	Bloomfield, N. J.	766 Main
Hammarstrom, John Everett	43		46 Freeland
Handleman, Chester	41		33 Beeching
†Hanlon, Eleanor E.	G F	Fayetteville, N. Y.	910 Main
Hanson, Paul Manfred	41		59 King Philip Rd.
Hargen, Theodore Merritt	40		53 Institute Rd.
Harris, Joseph Edmond	43		15 Westbrook Dr.
Hartnett, John Henry, Jr.	40		22 Lenox
Hastings, Leroy Nelson, Jr.	43	Auburn	
Healy, Edward Michael	41	Watertown, Conn.	Estabrook Hall
Hearn, George Bligh	40		202 Beacon
Hebb, Douglas Charles	43		46 Kingsbury
Hebbert, John Swift	40, H s		80 Florence
Hébert, George Philip	42	Southbridge	
*Heck, Henry Walter	Ed g	Clinton	
Hennessy, Robert Norman	40	Westboro	
Hensel, Joan Elizabeth	H S	Syracuse, N. Y.	18 Downing
Herrick, Eugene Howard	42	Rangeley, Me.	Estabrook Hall
Herrmann, William Charles	Ed g	Northboro	
Hickey, Francis Raymond	Ed g		262 Burncoat
Higginbottom, Arthur Raymond	Ed g	Millbury	
Hill, Raymond Bertie	42		60 Housatonic
*Hoffman, Elizabeth Dean	B g		48 Massachusetts Ave.
Hollows, Ernest William	43		64 Florence
Horne, David Hamilton	42	Concord, N. H.	2 Woodbine
Hotchiss, Charles Neil	40	Forestville, Conn.	35 Maywood
Houghton, Doris Weygandt	H g		65 Commodore Rd.
Houle, Lawrence Reuben	Ed g	Warren	22 Ferdinand
Hubbard, Forrest Walker	41	Gardiner, Me.	Estabrook Hall
Hull, Richard Lester	41	Rockport	Estabrook Hall
Humphlett, Wilbert Jeptha	43	Feeding Hills	Estabrook Hall
Hunter, Richard Edward	42		3 Hockanum Way
Hurwitz, Louis Sidney	40		77 Brantwood Rd.
Israel, Solomon	43		45 Hitchcock Rd.
Inman, Marjorie	Ch s		7 Oak
Jacobson, Ishiah	43	Waterbury, Conn.	88 Houghton
†Jannery, Harold Kennith	Ed g	Millbury	
Jones, Malcolm Kent	43		15 Birch
Jordan, Robert Lincoln	42		19 Freeland
*Joseph, George Taft	43		378 Grafton

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Kane, Lawrence Thomas	43		36 Shirley
Karpoe, John Paul	42		628 Cambridge
Kaselis, Vincent William	43	Oxford	
Kelly, Rita	H g	Spencer	
Kelman, Edward Mark	42	Rochester, N. Y.	21 Beaconsfield Rd.
*Kenary, Richard Neville	Ed s	Millbury	
Kenneway, Harold John, Jr.	Ch S	Brookfield	
Kessler, Bennet Carl	40		41 Derby
Killelea, Edward Thomas	41	Leominster	Estabrook Hall
Killelea, Joseph Henry	40	Leominster	
Kilpatrick, Wallace Dorman	42	Morningdale	
*Kimball, Estelle	Ed g	Northboro	
Kinch, Esther Priscilla	G S	Pittsburgh, Pa.	166 Woodland
King, Bernard Thomas	40	Waterbury, Conn.	19 Richards
King, Hanford Langdon	43		26 Kingsbury
Kirby, Francis A.	42	West Boylston	1202 W. Boylston
Kirkpatrick, Robert Ford	40		46 Beechmont
Kopelman, Bernard	Ch F	Dorchester	166 Woodland
*Kroll, Stuart W.	s	Rome, N. Y.	766 Main
Kudarauskas, Edmund Nicodem	41		2 Danvers
Kuhn, Donald William	42	Albany, N. Y.	35 Maywood
Laine, Oliver Herman	G g	Hopper, Minn.	
Lang, Walter Emery, Jr.	40	Westboro	6 Hancock
†Lanza, Bessie	Ed g	Leominster	
*LaPrade, Charles Norman	40	Spencer	
LaRiviere, Robert Louis	43		65 May
Larson, Knute G. A.	40	Shrewsbury	
Laughlin, Arthur Bernard	42	Chelsea	Estabrook Hall
Leightizer, Anastasia	Ec g	Charlottetown, P. E. I.	166 Woodland
Lenk, Charles Ernest	43	Cherry Valley	
Lennan, Albert Kendrick	43		63 Brantwood Rd.
Lessard, Amos Joseph	40		112 Woodland
Lesser, Marshall	43	New Haven, Conn.	Estabrook Hall
Lidstone, Frederick Bartlett	43		8 Catalpa
Linehan, Urban Joseph	G F	Bridgewater	35 Maywood
Litchfield, Charles MacMurty	40	Clinton	
Little, Martin Henry	42	Millbury	
Lloyd, Trevor	G F	Winnipeg, Canada	1300 Main
Longo, Vincent Joseph	43	Leominster	Estabrook Hall
Lopez, Manuel Hervé	41	Brooklyn, N. Y.	Estabrook Hall
Lukowski, Joseph Charles	42	Webster	
Lumb, Ralph Lewis	43	Shrewsbury	
Lund, Anders Godfrey	40		14 Victoria Ave.
Lund, Clayton Reginald	41		14 Victoria Ave.
Lund, David Rolf	42	Ashmont	31 Millbrook
†McCarthy, Bernard William	Ed g		363 Cambridge
McGovern, Hugh Michael	43		2 Ives
McGuire, John Alfred	Ec F	Schenectady, N. Y.	Estabrook Hall
McHugh, Francis Daniel	Ed g		11 Ives
McInerney, James Alfred	Ed g		29 Coes
McIntosh, Melvin, Jr.	43		78 Fairfield
†McPherson, George Spowart	Ed g		33 Lenox
Macaulay, Archie Marion	H S	Vancouver, B. C.	11 Charlottle
Macdonald, Gregory John	43, RL s	Sturbridge	
MacDonald, Mary Louise	G g		21 Oberlin
Magnusson, Roger Philip	43		6 Minthorne
Malboeuf, Paul Donald	Ed g	Webster	
Manarel, Ray J.	41	Holley, N. Y.	Estabrook Hall
Margolis, Benjamin	42		25 Marion Ave.
Marsh, Frank E.	43	Rutland	
Marsh, Robert T.	42	Northboro	14 Whitney
Martin, Aaron C.	43	China, Me.	Estabrook Hall
Martin, Paul F.	G g		11 Fairhaven Rd.
Martin, Richard Blazo	Ch S	Ashburnham	19 Richards
Maslowski, Stanley Raymond	42	Indian Orchard	Estabrook Hall
Maykel, William George	42		212 Fairmont Ave.
Melgren, Russell Carl	43		208 Vernon
Merchant, Edward Joseph	B s		422 Park Ave.
Merriam, Frederick Stevens	G S	Cordaville	
Merritt, Earl Arthur	43		28 Holden
Mikoloski, Edward Kasimir	42		109 Ward
Miller, Donald Martin	43	Dorchester	27 Wyman
Milne, Robert Scott	40	Toms River, N. J.	35 Maywood
Minnich, Charles Henry	Ed g	Fitchburg	

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Mintz, Bernard Norman	42		73 Richmond Ave.
Moberg, Wensel William	G g		4 Dybeck
† Moore, Robert Lindo, Jr.	B s		46 Queen
Morgan, Charles Stebbins	43		7 Marwood Rd.
Moriarty, John Francis	40		8 Gardner Terrace
* Morin, Mabel Irene	Ed g	Millbury	
Morin, Philip Edward	42		36 Bridgeport
Morris, Charles Arthur	43		71 Malvern Rd.
† Mullen, Mary Beatrice	G g		15 Hammond
Namen, Hanna Anthony	40		349 Park Ave.
Natalizi, John	H F	Syracuse, N. Y.	6 Hancock
Nelson, Paul Julian	42		14 Drummond Ave.
Nelson, Robert Alfred	41	No. Easton	19 Richards
Newberry, E. Wilberta	H F	Washington, D. C.	166 Woodland
Newell, Margaret Warwick	Ec S	Hollis, N. Y.	166 Woodland
Nierman, Morris	40	Dorchester	42 Freeland
Niven, Jorma Iltanen	Ps F		246 Salisbury
Norris, Forrest Harvey	43	Feeding Hills	Estabrook Hall
Novicki, Thaddeus Joseph	42	New Haven, Conn.	Estabrook Hall
Nugent, Edward Francis	Ed g		3 Woodbine
Nystrom, John Warren	G F		905 Grove
O'Brien, Philip Augustin	40		10 Hawthorne
O'Connor, Anna-Marie	B g		11 Beechmont
O'Connor, James P.	42	Waterbury, Conn.	Continental Hotel
O'Connor, John Joseph	40	Waterbury, Conn.	Estabrook Hall
O'Leary, Mary Carroll	H g		33 May
* Olson, Carl William	Ed g		10 Tupelo Rd.
Olson, Earl Hugo	43		31 Halmstad
O'Neil, Edward George	41		6 Arlington
* Ordway, Bradford Webber	Ed g		1017 Main
* Osborn, Lawrence W.	B s		554 Pleasant
Ouellette, Gerald Arthur	41		121 Clark
Page, Howard Eastman	Ps F	Groton, Vt.	166 Woodland
Palley, Arthur	43		17 Hallowell Rd.
Pappas, George Fred	40		125 Franklin
Parker, Ralph Barr	43	Grafton	
* Parulis, John Joseph	Ed g		93 Arthur
† Pawlina, Albert Maxwell	Ch s		343 Harding
Pearson, Charles Mead	42		142 Burncoat
Perejda, Andrew Daniel	G F	Detroit, Mich.	166 Woodland
Perrone, Samuel Joseph	40		55 Wall
Peters, Louis	42		55 Pilgrim Ave.
Petrushonis, Charles	43	Bridgeport, Conn.	Estabrook Hall
Phipps, Robert Bradford	41		13 Isabella
Plischke, Elmer O. A.	H F	Milwaukee, Wis.	166 Woodland
† Potter, Philip B. K.	43	New York, N. Y.	7 Hawthorne
† Powers, James J.	Ed g		217 Beacon
Powers, Robert Frederick	40	Shrewsbury	
* Pratt, Lloyd P.	43	Takoma Park, Md.	Worcester State Hosp.
Puniskis, George John	42		27 Lafayette
Quint, Mary Dorothea	Ed g		50 Oread
Racine, Rolland William	42	Oxford	
Radner, Sidney Hollis	43	Holyoke	Estabrook Hall
Raisanen, Toimi Kosti	40	Gardner	36R Wachusett
Raphaelson, Murton Edward	43		39 Florence
Reed, George Maccabee	43		612 Mill
Reiman, Earl Allen	43		63 Maywood
Reiner, Herbert	H S	Lancaster	
Reith, John William	G S	Lancaster, Pa.	166 Woodland
Renner, Agnes Cecelia	G S	Pelican Rapids, Minn.	3 Maywood Place
Rettig, Heinz	43		101 Holden
Reynolds, Robert Williams	43	Thompson, Conn.	Estabrook Hall
Ritacco, Frank Edward	41		61 Orient
Roberts, Donald Mitchel	42	Spencer	
Romanoff, Elijah Bravaman	B s	Clinton	Worcester State Hosp.
Rome, Harold Daniel	40		3 Midland
† Roodman, Solomon	H g	Leominster	
Roper, Sylvia Ann	Ed g	Princeton	6 King
Ross, John Francis	41		62 Suffolk
Rudman, Chester Landy	43	Newton Centre	Estabrook Hall
* Russell, John Edmund	Ger s		63 Florence

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
St. Marie, Eugene Joseph	s	Newport, Vt.	930 Main
Salter, Thomas Lowell	40		3 Waconah Rd.
Samuels, Robert Meharg	43	Jersey City, N. J.	Estabrook Hall
Sandberg, Russell Godfrey	42		69 Greenwood
Sands, Matthew Linzee	40	Oxford	Estabrook Hall
Sarason, Seymour Bernard	Ps g	Newark, N. J.	166 Woodland
Sawicki, Robert Eugene	42		581 Millbury
†Schoepflin, Adolphe Joseph	42		37 Lenox
*Schollard, John	41		36 Shirley
Schwendeman, Joseph Raymond	G F	Moorhead, Minn.	39 Gates
Scotland, Robert Howe	42	Cochituate	4 Downing
*Seder, Richard Morley	43		337 Park Ave.
Senter, Kenneth Alton	43		23 Dover
Serijan, Kaspar Thomas	Ed g		31 Lincoln
Shannon, John Joseph	40		4 Ripley
Shields, Richard J.	41	Agawam	71 Pleasant
Shine, Mary Frances	Ed g		67 Charlotte
Shopes, Louis John	43	Rochester, N. Y.	Estabrook Hall
Shwadran, Benjamin	H g		39 Maplewood Rd.
*Small, Cloyd Eldon	Ed g	Kingfield, Me.	Worcester Academy
Sides, William Edward	43		10 Ivernia Rd.
Sigel, Irving Edward	43		94 Houghton
Singer, John Jacob	43	Collingswood, N. J.	156 Woodland
Sleeper, Arnold	41		69 June
Smith, Albert William	43	Hudson	
Smith, Arthur Kent	43		193 King Philip Rd.
Smith, George Herbert	43	Weeks Mills, Me.	Estabrook Hall
Smith, Robert McMurray	43		3 Deerfield
Southwick, Albert Brown	41	Leicester	
Stanhope, William Russell	42	West Brookfield	
Stead, Albert Theodore	Ed g		6 Norwood
Steere, Howard Clarence	40		88 Elm
Stepanski, Matthew	42	Jersey City, N. J.	19 Richards
Stevens, Lloyd Russell	43	Marlboro	
Stone, Bernard	41		30 Woodford
Stone, David Leon	43	Brookline	Estabrook Hall
Stone, Elliot Jacques	43	Brookline	Estabrook Hall
*Strzelecki, Sigmond Richard	43		105 Sterling
Sullivan, Paul Joseph	Ed g	Millbury	
Swenson, Elof Folke	41		16 Windsor
Taparowsky, James Joseph	40		17 Fox
Tarlov, Malcolm A.	43	S. Norwalk, Conn.	112 Woodland
Taylor, Frank Andrew	Ec S	Elizabeth, Tenn.	11 Charlotte
Taylor, John Lewis	G S	Oriska, N. D.	21 May
Teitel, Milton Henry	42	Southbridge	
Thibault, Elizabeth Voorhees	G S		35 McKinley Rd.
†Thomas, Anthony S., Jr.	41	Bristol, R. I.	766 Main
Thomas, Emrys Price	40		18 Sycamore
Thompson, John Henry	41		86 Elm
*Thompson, Rita Margaret	H g		7 Richards
Thompson, Vincent Paul	43		365 Cambridge
Toomey, Kathryn Derby	H F	Spencer	
Tormey, Leonard L.	Ger s		28 Richards
Tracy, M. Katherine	Ed g	Uxbridge	
Travers, George Edward	41	Port Jefferson, N. Y.	Estabrook Hall
Tufts, Donald Irving	42	Westboro	4 Downing
Tyborowski, Thomas Edward	43		1 Granite
Underwood, Francis Milot	Ed g		6 William
†Upham, Sidney Dayton	40	Sterling	
*Ure, Roland Walter	Ed g		77 Olean
Valentine, Leslie Warren	42		2 Woodbine
Vamvas, Anthony Demetrius	43		100 Richmond Ave.
Varjabedian, Anthony	41		129 West
Viens, Roger George	41		178 Hamilton
Villemaire, Leonard Louis	43	Millbury	
*Voskuil, Robert James	G F	Cedar Grove, Wis.	15 LaGrange
Wantman, Vera Jeanne	Ec S	Brooklyn, N. Y.	166 Woodland
Warren, Alathier Adair	B S	Moncton, N. B.	41 Beaver
Warren, Arthur Bertrand	Ps F		117 Beaconsfield Rd.
Watkins, Eugene Leonard	40		41 Plantation
*Watkins, Genevieve	Ed g		41 Plantation
*Webber, Henry	43	Cumberland Mills, Me.	Estabrook Hall

NAME	CLASSIFICATION	HOME ADDRESS	WORCESTER ADDRESS
Webster, William Henry, Jr.	40	Providence, R. I.	90 Maywood
West, Thomas, Jr.	43	Belmont	Estabrook Hall
Wheeler, Russell Arthur	43		15 Windsor
Whitehead, Thomas Stewart	43	Auburn	
*White, William Thomas	Ed g		180 Canterbury
Whitney, John Frank	40	Orange	19 Richards
*Whitten, Perley John	43	Uxbridge	
Williams, Lloyd Arthur	43	Jersey City, N. J.	Estabrook Hall
*Williams, Malcolm	43		7 Green Hill Ave.
Winchester, George Albert	41		40 Clover
Winterbottom, Lemuel Joseph	En s	Paxton	
Wolk, Elliot Samuel	40	Springfield	36 Barclay
Woodward, Edmond	43	Andover, Conn.	Estabrook Hall
Wrenn, Daniel Charles	43		84 Birch
Yagjian, Ralph Avedis	42		3 Lapierre
Yanover, Morton Murry	43		69 Richmond Ave.
Yeomans, William Lloyd	H S	W. Collingswood, N. J.	114 Woodland
Yesukevich, John Frank	42	Boston	356 Greenwood
Yetvin, Ralph	43		49 Havelock Rd.
York, Robert Maurice	H F	Wilton, Me.	18 Shephard
Zaragoza, José Luis	43	Manila, P. I.	Hotel Bancroft
Zebra, Nathan	42		16 Wabash Ave.

II. SUMMER SCHOOL STUDENTS (1939)

An asterisk (*) indicates participation in a field trip only.

Adams, Howard C., Worcester	Derby, Elizabeth, Spencer
Ahearn, Margaret M., Worcester	Dewar, Caroline, Marion, Ohio
Aisenberg, Howard, Worcester	Diehl, Lee H., Red Lion, Pa.
Albert, Shirley, Worcester	Dolan, Lawrence E., Worcester
*Aldridge, Beulah P., Washington, D. C.	Donohue, Eleanor B., Worcester
Allain, Donald, Worcester	
Anderson, Geraldine, Ridgway, Pa.	Erskine, Harriette M., Worcester
Anderson, Martha L., Worcester	
Andress, Forrest, Uxbridge	Foley, Gertrude E., Worcester
Argyropais, Lemonis J., Worcester	Forzley, Mitchell B., Worcester
Armstrong, Walker B., Sharon	
*Arnot, Agnes, Sacramento, Calif.	Gallagher, Richard J., Worcester
	*Garrison, Jessie R., Montgomery, Ala.
Banks, Marian B., Toronto, Can.	Gatti, Mentana, Worcester
Barker, Margaret O., Worcester	Glazer, Doris, Worcester
Barriere, John E., Worcester	Goodlight, Gertrude L., Worcester
Berard, Theodore H., Athol	Goodwin, Gerald, Worcester
Brammell, James A., Washington, D. C.	Granger, Harold J., Bellingham Center
Breen, James J., Worcester	
Brotherton, William R., Worcester	Haddad, S. Paul, Worcester
Buckley, Constance J., Worcester	Haddad, William C., Worcester
Buckley, Lenore J., Worcester	Hall, Dorothy A., Marlboro
Burke, Beatrice, Duluth, Minn.	Halpin, Charlotte M., Worcester
Burner, Richard M., Worcester	Handel, Hazel G., Cleveland, Ohio
Burton, Dorothea, Buffalo, N. Y.	Hansen, Robert E., Worcester
	Hargen, Theodore M., Worcester
Cadwell, Margaret J., Winnipeg, Can.	Harris, J. Edmond, Worcester
Calder, John U., Worcester	Harvey, Edward, Worcester
Carey, Helen M., Worcester	Hebberd, John S., Worcester
Carey, Henry B., Worcester	Henderson, Ruth A., Hudson
Carlo, James J., Worcester	Hill, Paul D. B., Stoneham
Carlson, G. Virginia, Worcester	Holden, Calvin B., Holden
Carmody, Catherine A., Worcester	Holland, Lillian M., Bradford
Carney, Grace L., Worcester	Houghton, Doris W., Worcester
Casey, Leonore T., Worcester	Houle, Lawrence R., Warren
Catlin, Winton I., New Britain, Conn.	
Charron, Richard P., Worcester	Jencks, Ruth H., Passaic, N. J.
Clarke, Russell T., Worcester	Johnson, Russell, Worcester
Coates, Luella M., Findlay, Ohio	Jordan, Robert L., Worcester
Colberg, Paul V., Worcester	
Crittisinger, Aleen E., Worcester	Kelley, Minnie, Lafayette, La.
Croak, Gertrude A., Worcester	Kelly, Rita, Spencer
	Kennedy, John, Grafton
Davis, Dorothy M., Worcester	Kenney, Helen, Worcester
Deering, Agatha, Shrewsbury	Killelea, Edward T., Leominster
Densmore, Edward D., Belmont	Kimball, Estelle, Northboro

Kingsbury, Mildred L., White River Jct., Vt.
Kirby, Francis A., W. Boylston
Kirkpatrick, Robert F., Worcester
Kolligian, Rose, Worcester
Kos, Walter J., Webster

Lang, Katherine J., Plymouth
Lanphear, Dorothy M., Southbridge
Lathrope, Frances M., Kankakee, Ill.
Leary, Henry F., Worcester
Li, Ching-Yuan, Ningpo, China
Lindquist, Barbara, Worcester
Little, Emma, Worcester
Little, Ruth M., Worcester
Long, Harriet R., Buffalo, N. Y.
Loughrey, Catherine R., Worcester
Love, Elizabeth P., Auburn

Macklin, Ralph R., Worcester
Mahoney, Rose M., Worcester
Malboeuf, Paul D., Webster
Manning, Barbara M., Millbury
Martens, Eva E., Franklin Park, Ill.
Masoomian, Mary C., Worcester
Masterson, M. Esther, Worcester
Matheson, F. Graham, Philadelphia, Pa.
McGovern, Hugh M., Worcester
McIntosh, Melvin, Jr., Worcester
McKeon, Florence C., Worcester
McMullen, Mary E., Spencer
Melgren, Russell C., Worcester
Merrifield, Helen, Worcester
Michie, Jeanne H., Worcester
Mintz, Eyrom A., Worcester
Moore, Margaret, Worcester
Moran, Honora A., Worcester
Morris, Joycelin I., Worcester
Morton, Richard K., Worcester
Mulhern, Anna, Nanticoke, Pa.
Mulholland, Frances, Shrewsbury
Murphy, Mary M., Washington, D. C.

*Nelson, Ethel, Mt. Iron, Minn.
Nocchi, Jean, Worcester
Norbery, Louise M., Uxbridge
Nugent, Edward F., Worcester
Nugent, Elizabeth M., Auburn
Nugent, John J., Jr., Auburn

O'Connor, Anna-Marie, Worcester
O'Grady, Winifred L., Worcester
O'Sullivan, Catherine, Worcester

Parks, Ruth M., Birmingham, Mich.
Parulis, John J., Worcester
Patterson, Harry W., Worcester
Peters, Louis, Worcester
Peterson, Helga E., Worcester
Philie, Jules I., Woonsocket, R. I.
*Phillips, Dorothea, Medina, Ohio
Pines, Harold S., Worcester

Piper, Ada G., Washington, D. C.
Porochniak, Paul, Salem
Powers, E. Jeanette, Marion, Ohio
Powers, James J., Jr., Worcester
Provasoli, Robert D., Marlboro
Purnell, Henrietta S., Salisbury, Md.

Quinn, Margaret, Whitinsville
Quirk, Mary E., Haverhill

Read, Betty, Worcester
Regan, Paul F., Worcester
Roche, Mary, Worcester
*Ronsaville, Marian, Wilmington, Md.
Rose, Sidney, Worcester
Ross, Carl W., W. Lafayette, Ohio
Rumpal, Bruno, Wilbraham
*Russell, Jessie C., Indianapolis, Ind.
Russell, William H., Belmont

St. Marie, Eugene J., Newport, Vt.
Salter, Thomas L., Worcester
Savaria, Gaspard M., Woonsocket, R. I.
Schneider, Noreen D., Fulton, N. Y.
Scott, Charlotte H., Worcester
Shaw, Margaret M., Worcester
Shaw, Minta, Worcester
Shaw, Vesta, Worcester
Shine, Mary Frances, Worcester
Shooshan, Arakel M., Worcester
Seiveright, Dorothy J., Macdonald Col., Can.
Slater, George H., Worcester
Smith, Arthur K., Worcester
*Snook, Myrtle, Cleveland, Ohio
Stanhope, William R., W. Brookfield
Stapp, Helen M., Cockeysville, Md.
Stead, Albert T., Auburn
Storey, Shirley J., Uxbridge
Sullivan, John J., Worcester
Sullivan, Marguerite J., Worcester
Sullivan, Mary C., Worcester

Tangring, Hilda M., Montclair, N. J.
Tarpey, Philip J., Gardner
Thornton, Jessie M., Worcester
Tinker, John R., Gardner

Webber, Margaret, Rutland
White, William T., Worcester
Whitely, Austin L., W. Hartford, Conn.
Williams, Malcolm, Worcester
Williams, Ruth M., Worcester
Winchester, George A., Worcester
*Worley, Vivienne S., Denver, Colo.

Yanover, Morton M., Worcester
Yetvin, Ralph, Worcester

Zamarro, Amerigo, Worcester
Zebrak, Nathan, Worcester

III. EXTENSION STUDENTS

1939-40

Adams, Bertis H.
Alden, Clara L.
Amidon, Dorothy A.
Anderson, Donald F.
Appleton, Hilda M.

Babson, C. Amy
Balcom, Mildred I.
Beal, Alice C.

Beauregard, Marion R.
Beck, Mildred L.
Berg, Carl G.
Bergstrand, Hannah
Bowler, Ruth Barnard
Bowler, Ruth Colburn
Brennan, Elizabeth A.
Buckley, Florence E.
Burke, John F.
Burrell, Frances L.

Cahill, Anna G.
Cahill, Catherine M.
Callahan, Ellen G.
Callahan, Margaret
Callahan, Winifred C.
Carey, Anne D.
Carey, A. Blamid
Carey, Helen M.
Carlson, G. Virginia
Carlstrom, Delna P.

Carmody, Catherine A.
 Carney, Grace L.
 Carr, Anne E.
 Carroll, Lillian C.
 Clapp, Richard F.
 Clason, Gunnar S.
 Clemence, Elizabeth W.
 Clemence, Robert U.
 Collins, Donald E.
 Collins, Mildred E.
 Connelley, Merle M.
 Connor, M. Louise
 Cronin, Ellen M.
 Cronin, Margaret G.
 Cummings, Doris E.
 Cunningham, Helen M.
 Curran, Mary E.

Dacey, Marion I.
 Daley, Mary A.
 Dawson, Alice B.
 Demers, Edgar L.
 Dewar, Margaret H.
 Donaher, Francis P.
 Donnelly, Mary T.
 Dudley, Stella F.
 Dumas, Theodore E.
 Dyer, Esther M.

Early, Mary
 Eaton, Louise S.
 Emery, Richard H.

Favulli, Michael J.
 Fitch, Myra A.
 Flood, Katharine C.
 Foley, Gertrude E.
 Friedman, Sadie A.

Gadon, Irene D.
 Gatti, Mentana
 Gatti, Ora J.
 Gleason, Dorothy M.
 Goodlight, Gertrude L.
 Green, M. George
 Greene, John W.

Hagberg, Christine
 Haire, Daniel A.
 Hall, William F.
 Halloran, Ellen B.
 Hamilton, Dorothy M.
 Hannagan, Marguerite E.
 Hatch, Ethel A.
 Hillman, Archibald M.
 Holland, Margaret E.
 Hollander, Helen
 Hughes, Gladys R.
 Hurwitz, Minna A.

Innerasky, May M.

Jaffe, Rose
 Johnson, Stephen

Kearney, Margaret M.
 Keith, Eliza C.
 Kemp, Avis M.

Kenary, Richard N.
 Kendall, Barbara
 Kendall, Grace P.
 Kenney, Helen
 Kenney, M. Gladys
 Kilton, Dorothy G.
 Klinglof, Edith C.
 Krutzky, Martin

Lavin, Joseph T.
 Lazzari, Marino
 Leary, Henry F.
 Leonard, Katharine
 Lincoln, Leslie B.
 Lisabitsky, Sylvia
 Locke, Mabel R.
 Loughrey, Frances T.
 Loungway, Lillian A.

Mahan, Kathryn E. A.
 Mahoney, Margaret V.
 Malcolm, Alice A.
 Mara, Helen B.
 Marshall, Norah
 Martin, Grace M.
 Mathews, Georgiana P.
 Matson, M. Cecile
 Maynard, Gertrude
 Mayo, Ralph C.
 McAuliffe, Margaret I.
 McDonald, James P.
 McDonald, Katherine W.
 McGrath, Elizabeth M.
 McGrath, Rena R.
 McKeon, Florence C.
 McKeon, Rebecca M.
 Medin, Elin E.
 Merrifield, Helen E.
 Metcalfe, Gladys M.
 Michie, Jeanne H.
 Miner, Ethel M.
 Monahan, Katherine V.
 Moran, Julia A.
 Morris, Joycelin I.
 Morrison, Agnes R.
 Mullen, Katherine E.
 Muran, Miriam

Nelson, Gladys A.
 Newhall, Barbara V.
 Norbery, Louise M.
 Nugent, Marie F.
 Nygard, Alice

Ober, Philip L.
 O'Connor, Deborah F.
 O'Grady, Winifred L.
 Ohrn, I. Marie

Page, Charles W.
 Paradise, Doris F.
 Parker, Robert C.
 Patten, Emily S.
 Patten, Rachel H.
 Paulukonis, Constant T.
 Plummer, Lillian C.
 Powers, Augustine B.
 Prouty, Etta F.

Quigley, Helen T.

Raphaelson, Muriel
 Reed, Anna P.
 Reeves, Caroline M.
 Regan, Mary E.
 Rice, Ellen C.
 Rice, Naomi F.
 Rice, Rebecca
 Richardson, Herman H.
 Riley, Agnes C.
 Robertson, Marion H.
 Robinson, Grace
 Robinson, Horace W.
 Rollins, Ellen H.
 Rourke, Elizabeth B.

Salminen, M. Irene
 Scanlon, John A.
 Schanberg, Bernice R.
 Scott, Charlotte H.
 Scott, Ethel C.
 Senter, Grace P.
 Sharaf, Ernest S.
 Shaw, Arnold R.
 Shea, Ella G.
 Shulinski, Sophie R.
 Slattery, Marion M.
 Slein, Alice G.
 Smith, Ethel B.
 Smith, Hope G.
 Smith, Mabel N.
 Sniederman, Fannie
 Somers, Catharine A.
 Stanton, Cora A.
 Sullivan, Catherine A.
 Sullivan, Gertrude C.
 Sullivan, John Joseph
 Sullivan, Margaret M.
 Sullivan, Mary A.
 Swift, W. Everett

Thomas, Mildred C.
 Thompson, Elizabeth G.
 Thornton, Jessie M.
 Thresher, Ailyce B.
 Tolman, Ellen D.
 Tormey, Anita L.
 Torpey, Margaret F.
 Tozier, Virginia
 Tripp, Mary E.

Walker, Ruth A.
 Walker, Viola W.
 Wallace, Barbara
 Ward, Ethel G.
 Weintraub, Bella
 Wells, Marion G.
 Whipple, Mary Ella
 Whitman, A. David
 Whitney, Elliott W.
 Willar, Sarah
 Wright, Helen L.
 Wyman, M. Louise

Young, Florence M.
 Young, Maude A. M.
 Zendzian, Sophie M.

IV. CANDIDATES FOR THE DEGREE OF BACHELOR OF EDUCATION
IN ATTENDANCE DURING 1939-40, EITHER IN THE 1939
SUMMER SCHOOL OR DURING THE REGULAR
SESSIONS OF THE UNIVERSITY

Amidon, Dorothy A.	Kenney, Helen	Quigley, Helen T.
Anderson, Geraldine A.	Kingsbury, Mildred L.	Regan, Mary E.
	Kroll, Stuart W.	Rice, Rebecca
Babson, C. Amy	Locke, Mabel R.	Rollins, Ellen H.
Beck, Mildred L.		
Burrell, Frances L.	Mahoney, Margaret V.	St. Marie, Eugene J.
Cahill, Anna G.	Mahoney, Rose M.	Salminen, M. Irene
Cahill, Catherine M.	Mathews, Georgiana P.	Scott, Charlotte H.
Carlson, G. Virginia	Matson, M. Cecile	Sniederman, Fannie
Carney, Grace L.	Maynard, Gertrude	Stapp, Helen M.
Carroll, Lillian C.	Mayo, Ralph C.	Sullivan, Catherine A.
	Medin, Elin E.	Sullivan, Margaret M.
Early, Mary	Miner, Ethel M.	Sullivan, Mary A.
Eaton, Louise S.		
	Newhall, Barbara V.	Torpey, Margaret F.
Foley, Gertrude E.	Nygard, Alice I.	
	O'Connor, Deborah F.	Ward, Ethel G.
Goodlight, Gertrude L.		Webber, Margaret C.
Jaffe, Rose	Powers, Augustine B.	Zendzian, Sophie M.

Summary 1939-40

Undergraduates	291
Freshmen	115
Sophomores	67
Juniors	52
Seniors	57
Graduate Students	133
Special Students	17
Extension Students	210
Summer School Students (1939)	193
Total	844
Less duplications	65
Net Total	779

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CLARK UNIVERSITY

The Fiftieth Annual Commencement

JUNE 9 1940



WORCESTER MASSACHUSETTS

Order of Exercises

Processional: March from Athalia *Felix Mendelssohn-Bartholdy*

Invocation JOHANNES A C FAGGINGER AUER PHD DD
Parkman Professor of Theology
Harvard University

Commencement Address HONORABLE HU SHIH
Ambassador from China to the United States

Statement by the President

Announcement The Edmund C Sanford Scholarship
The Prentiss Hoyt Prize in Poetry
The Ahepa Prize in Greek
Jeanne d'Arc Medal

Conferring of Degrees

Benediction

Recessional: March from Sonata No 2 in D
George Frederic Händel

The audience will kindly remain
standing during the recessional

Candidate for the Degree of Bachelor of Education

Eugene Joseph St Marie

Candidates for the Degree of Bachelor of Arts

Eugene Jacob Balcanoff	Bernard Thomas King
Edward Gerard Becker	Walter Emery Lang Jr
Lewis Harrower Beckford	Charles Norman LaPrade
Merrill Philip Benoit	Knute Gunnar Alfons Larson
Sumner Abraham Berlin	Charles MacMurtry Litchfield
Benjamin Bernstein	Robert Scott Milne
Lawrence Edward Dolan	John Francis Moriarty
Philip Vincent Donohue	Hanna Anthony Namen
Robert Irwin Edwards	Morris Nierman
Julian Franklyn Feingold	Philip Augustin O'Brien
John Breen Foley	George Fred Pappas
William Bex Foxhall	Samuel Joseph Perrone
Paul Fram	Robert Frederick Powers
Richard Alexander Guenther	Toimi Kosti Raisanen
Saad Paul Haddad	Harold Daniel Rome
George Bligh Hearn	Thomas Lowell Salter
John Swift Hebberd	Howard Clarence Steere
Robert Norman Hennessy	Emrys Price Thomas
Charles Neil Hotchkiss	Sidney Dayton Upham
Joseph Henry Killelea	Elliot Samuel Wolk

Candidates for the Degree of Bachelor of Arts with Honors

Robert John Carini <i>with Honor in General Course and with Honors in Psychology</i>
John Henry Hartnett Jr <i>with Honors in Economics and Sociology</i>
Louis Sidney Hurwitz <i>with Honor in General Course and with Honors in Economics and Sociology</i>
Bennet Carl Kessler <i>with Honors in Romance Languages</i>
John Joseph O'Connor <i>with Honor in General Course</i>
Matthew Linzee Sands <i>with Honor in General Course and with Honors in Physics and Mathematics</i>
John Joseph Shannon <i>with Honors in History and International Relations</i>
Eugene Leonard Watkins <i>with Honors in Biology</i>

Candidate for the Degree of Bachelor of Arts with High Honor

Raymond Douglas Balcom <i>with High Honor in General Course and with Honors in Economics and Sociology</i>
--

Candidate for the Degree of Bachelor of Arts with Highest Honor

Amos Joseph Lessard <i>with Highest Honor in General Course and with Honors in Romance Languages</i>
--

Since the last annual commencement the degree of Bachelor of Arts has been conferred upon the following candidate as of June 4 1939

Walter John Kos

Farm House Attic

Here is a place where silence sits and seems
To brood on joys and sorrows long gone by.
Tread softly through this residue of dreams,
Still let this deep and breathless silence keep
Enchantment woven from the woof of sleep,
While voiceless spirits call and shadows creep,
And withered, faded years curl up and die.

I mark the dust upon the tall buffet
And see the lustrous beauty hidden there;
Above, the squatting, reddish urn of clay,
The banded trunks, the prickly horsehair seat,
The spindle chairs, old books, and cedar sweet,
The curve-legged table with its gargoyle feet.
A lone and serious spider swims in air.

A small moth twinkles in the light that streams
In through the shimmering western window panes.
Outside this gloom the broad and steady beams
Of sunlight lull a summer afternoon:
The fields and hills are hanging in a swoon,
The drowsy insects drone a slumberous tune
Along a thousand miles of country lanes.

This dreamy day will soon give place to night
Or else dissolve in rain. It will not keep
This half suspended drowsiness of light.
But in this cluttered, beamed and boarded room
The ghost of death may hover in the gloom
Forever, as in any echoing tomb,
For here there is always silence, always sleep.

Candidates for the Degree of Master of Arts

Biology

Alathier Adair Warren

Chemistry

Richard Blazo Martin

Economics and Sociology

Anastasia Leightizer

Margaret Warwick Newell

Frank Andrew Taylor Jr

Vera Jeanne Wantman

Geography

Veva Kathern Dean

Albert Humphries Farnsworth

Esther Priscilla Kinch

Frances Muriel Lathrope

History and International Relations

Francis Gerald Clark

Helen Elizabeth Dillon

John Clark Erskine

Russell Hunt Fifield

Ralph Roger Goodwin

Joan Elizabeth Hensel

Archie Marion Macaulay

Mary Christine Masoomian

Geneva Helen Penley

William Lloyd Yeomans

Psychology

Ivan J Birrer

Solomon Norman Feingold

Helene Feldman

Seymour Bernard Sarason

Candidates for the Degree of Master of Arts in Education

Dorothy Ann Brophy

Ralph Ludvig Carlson

William Charles Herrmann

James Alfred McInerny

Edward Francis Nugent

Sylvia Ann Roper

Lyndwode Norton Lee Smart

William Thomas White

Candidates for the Degree of Doctor of Philosophy

Geography

Trevor Lloyd

George Etzel Percy

Rose Zeller

History and International Relations

Eugene Herbert Miller

Jessie Ashworth Miller

Psychology

Howard Eastman Page

Honorary Degrees

Hu Shih Presented by George Hubbard Blakeslee

Johannes A.C. Fagginer Auer, Doctor of Letters

Annual Collegiate Honors

SENIORS

First Honors

Raymond Douglas Balcom Louis Sidney Hurwitz
Amos Joseph Lessard

Second Honors

Robert John Carini John Joseph O'Connor
John Henry Hartnett Jr Matthew Linzee Sands
Eugene Leonard Watkins

JUNIORS

Second Honors

James Lee Eldridge

SOPHOMORES

First Honors

Donald William Kuhn

Second Honors

Alfred Flarsheim Stanley Raymond Maslowski
David Hamilton Horne Robert Howe Scotland

FRESHMEN

First Honors

Douglas Charles Hebb Solomon Israel

Second Honors

Malcolm Kent Jones Charles Stebbins Morgan
Hanford Langdon King Irving Edward Sigel
Edmond Woodward

EDMUND C SANFORD SCHOLARSHIP

John Francis Ross

PRENTISS HOYT PRIZE IN POETRY

Albert Brown Southwick

For the Poem "Farm House Attic"

THE AHEPA PRIZE FOR EXCELLENCE IN ELEMENTARY GREEK

First Prize Edmond Woodward
Second Prize Amos Joseph Lessard

JEANNE d'ARC MEDAL

Le Lycéum Société des Femmes de France
Amos Joseph Lessard

CLARK UNIVERSITY

Final Assembly of the 1940 Summer School

August 9, 8:30 P. M.

The Community Players, Clark University, Present:

ROMEO and JULIET

by Shakespeare

Prologue	Elaine Sharfman
Escalus, Prince of Verona	Donald Letendre
Paris, Kinsman of the Prince	Richard Shields
Montague	Russell Johnson
Capulet	Robert Leslie
Romeo, Son to Montague	Myles McAleer
Mercutio, Kinsman to the Prince	Edward Nugent
Benvolio, Nephew to Montague	Augustine Powers
Tybalt, Nephew to Lady Capulet	Norman Brulé
Friar Laurence	Francis Kirby
Friar John	Donald Macdonald
Balthasar, Servant to Romeo	Robert Simonian
Sampson } Servants to Capulet	Robert Nims
Gregory }	Raymond Goodhue
Abraham	Dexter Rice
Peter	Sidney Sawyer
An Apothecary	Russell Johnson
Page	David Adams
Lady Montague	Marie Maddocks
Lady Capulet	Joycelin Morris
Juliet	Evelyn Borgeson
Nurse to Juliet	Gracia Burkil

Ladies of the Court: Margaret Ackley, Martha Adams, June Curtin, Joan Enos, Elizabeth Read, Minta Shaw, Mabel Stead, Dorothy Swenson, Phyllis Swenson, Edna Thornton, Helen Howe.

SCENE: Verona, Mantua

Fencing coached by David Adams

Music, courtesy of Steinert's

II. Conferring of Degrees

President Atwood

Bachelor of Education

Catherine Mary Cahill
Grace Virginia Carlson
Grace Loretta Carney
Mary Early

Gertrude Maynard
Charlotte Harrington Scott
Mary Agnes Sullivan
Ethel Gladys Ward

Master of Arts

Geography
Agnes Cecelia Renner
John Lewis Taylor

History and International Relations
Yetta Menter

Master of Arts in Education

Mary Katherine Tracy



